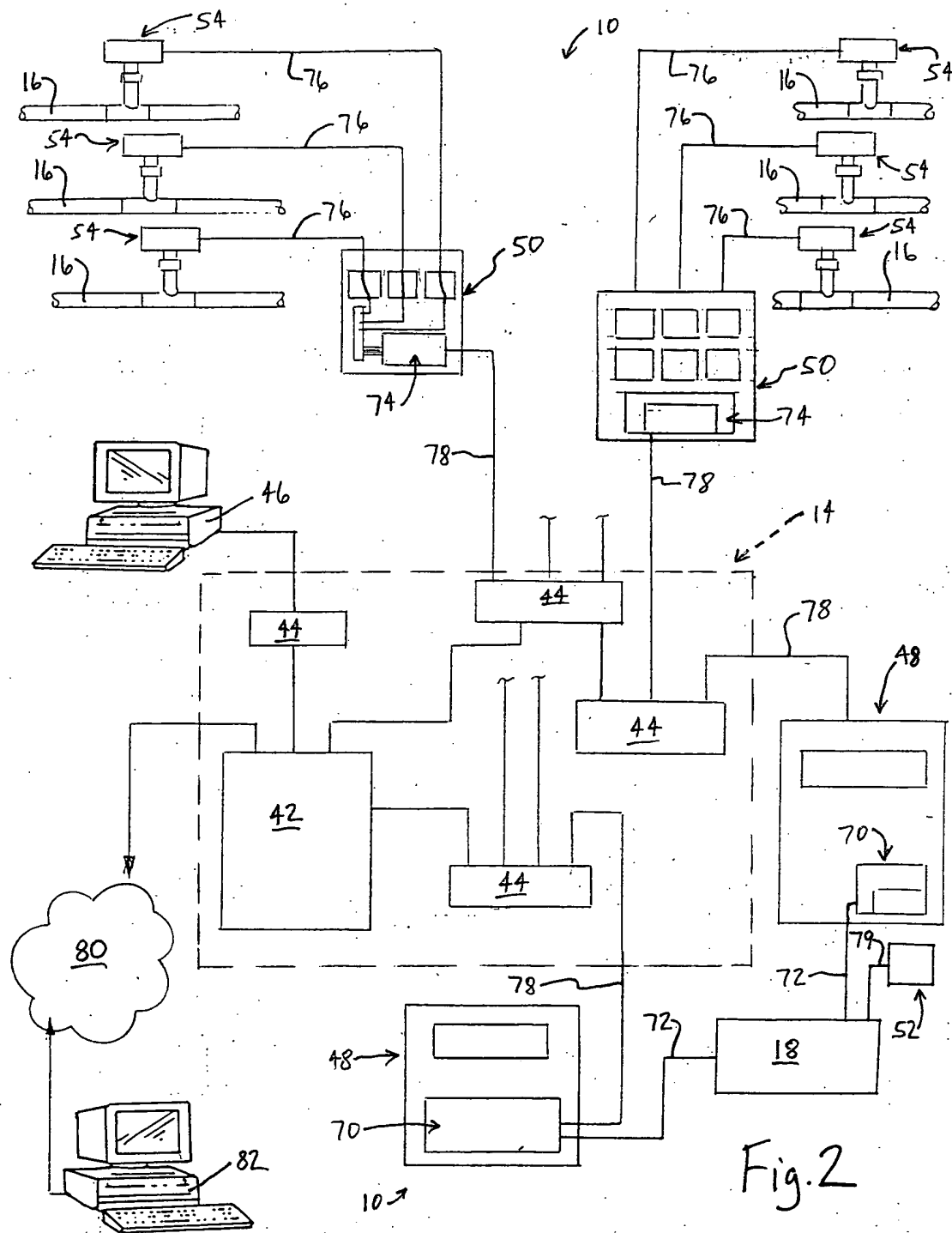


2005F0120522600



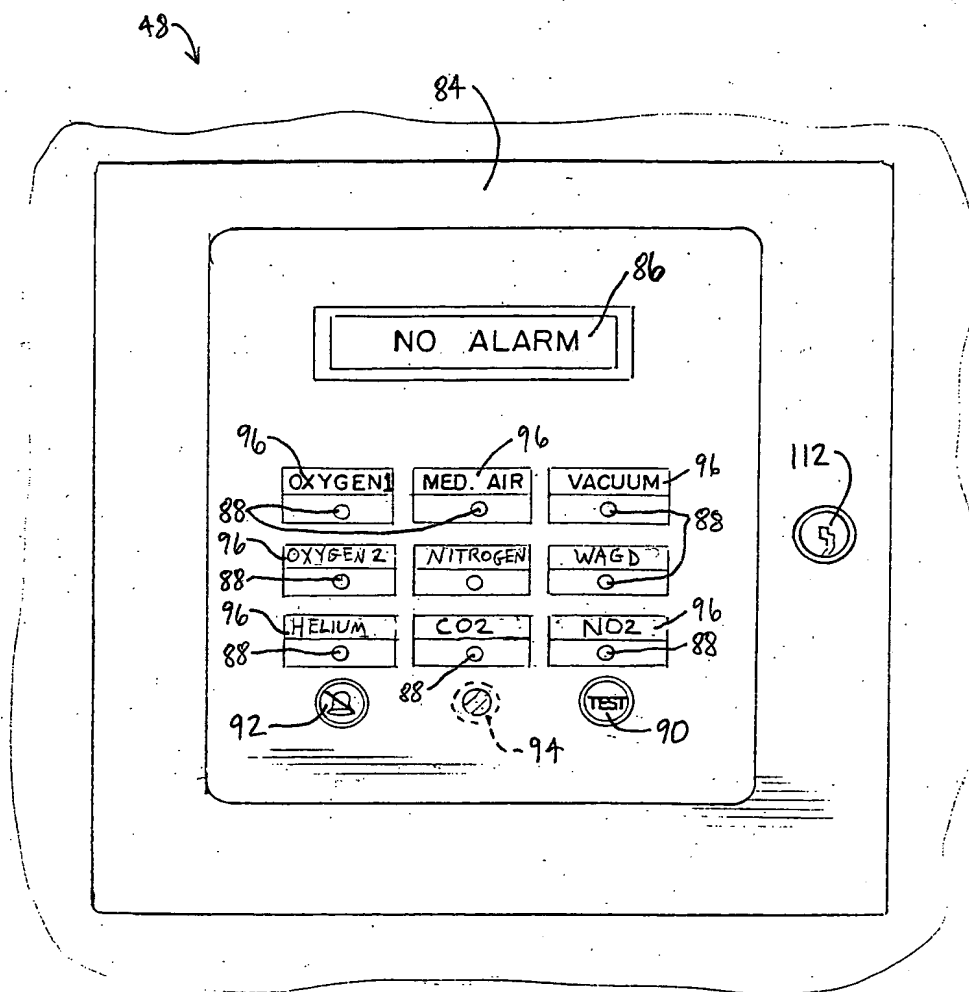
[illegible]

Fig. 3

Fig. 4

The diagram illustrates a medical control panel 154 with three vertical columns of controls. Each column is associated with a specific function: OXYGEN, MEDICAL AIR, and VACUUM.

- Column 1 (OXYGEN):** Features a status indicator with labels OL, ON, and OH. Below it is a numerical display showing '51'. The label 'OXYGEN' is positioned above three status lights labeled S, T, and V. Below these are two large rectangular areas, one labeled 162 and the other 186.
- Column 2 (MEDICAL AIR):** Features a status indicator with labels OL, ON, and OH. Below it is a numerical display showing '47'. The label 'MEDICAL AIR' is positioned above three status lights labeled S, T, and V. Below these are two large rectangular areas, one labeled 162 and the other 186.
- Column 3 (VACUUM):** Features a status indicator with labels OL, ON, and OH. Below it is a numerical display showing '17'. The label 'VACUUM' is positioned above three status lights labeled S, T, and V. Below these are two large rectangular areas, one labeled 162 and the other 186.

Additional components and labels include:

- 156:** Points to the status indicator area of the first two columns.
- 158:** Points to the numerical display area of the first two columns.
- 160:** Points to the status light area of the first two columns.
- 164:** Points to the label area of the first two columns.
- 166:** Points to the status light area of the third column.
- 168:** Points to the status light area of the third column.
- 170:** Points to the status light area of the first two columns.
- 172:** Points to the status light area of the third column.
- 176:** Points to the status indicator area of the third column.
- 178:** Points to the numerical display area of the third column.
- 180:** Points to the status indicator area of the first two columns.
- 184:** Points to the label area of the first two columns.
- 186:** Points to the large rectangular area below the status lights of the first two columns.
- 194:** A power symbol located at the bottom right of the panel.

Fig. 5

50 →

2/2 ✓

200270-20522600

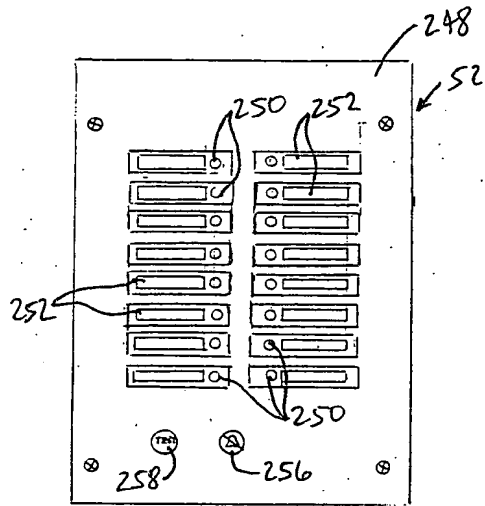


Fig. 7

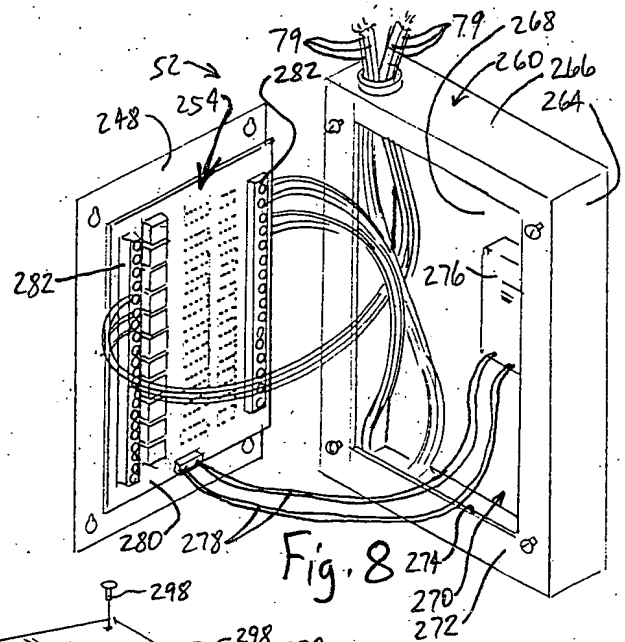


Fig. 8

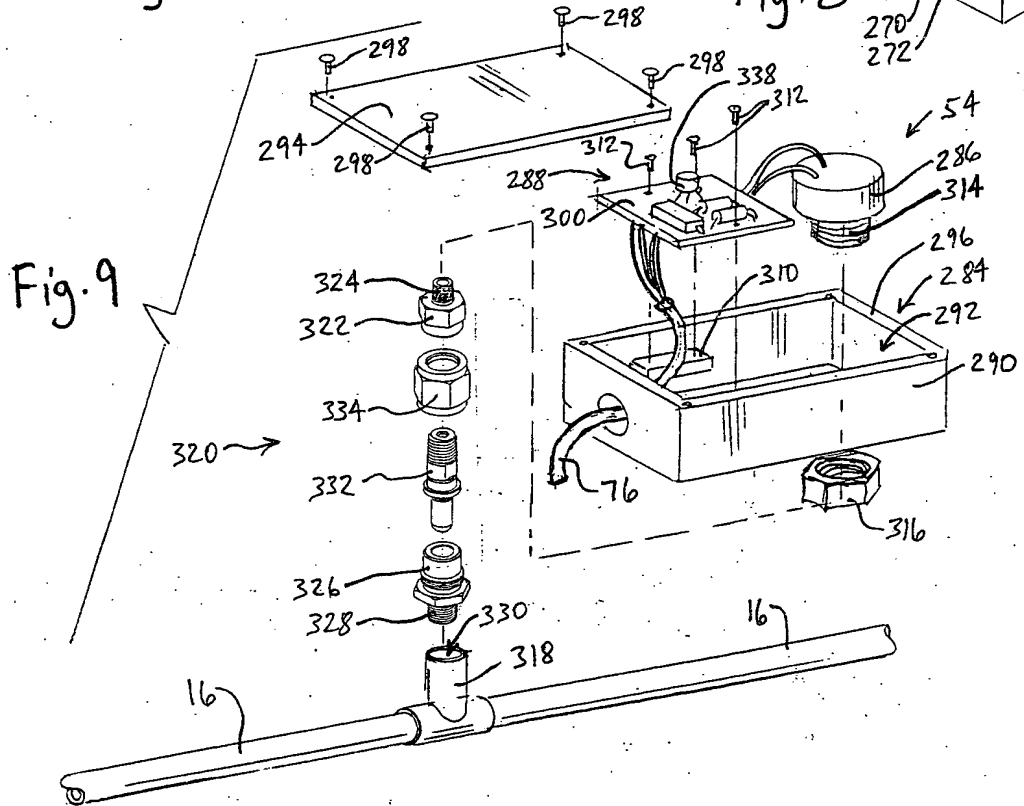


Fig. 9

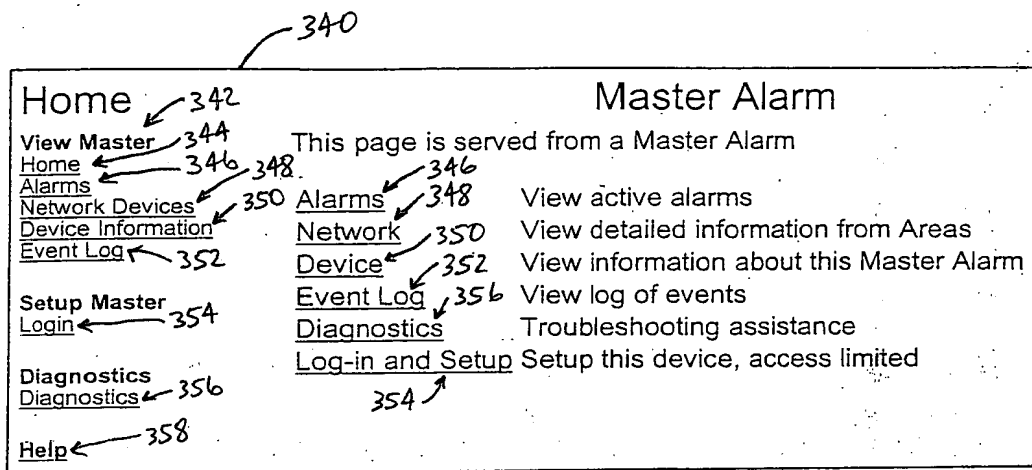


Fig. 10

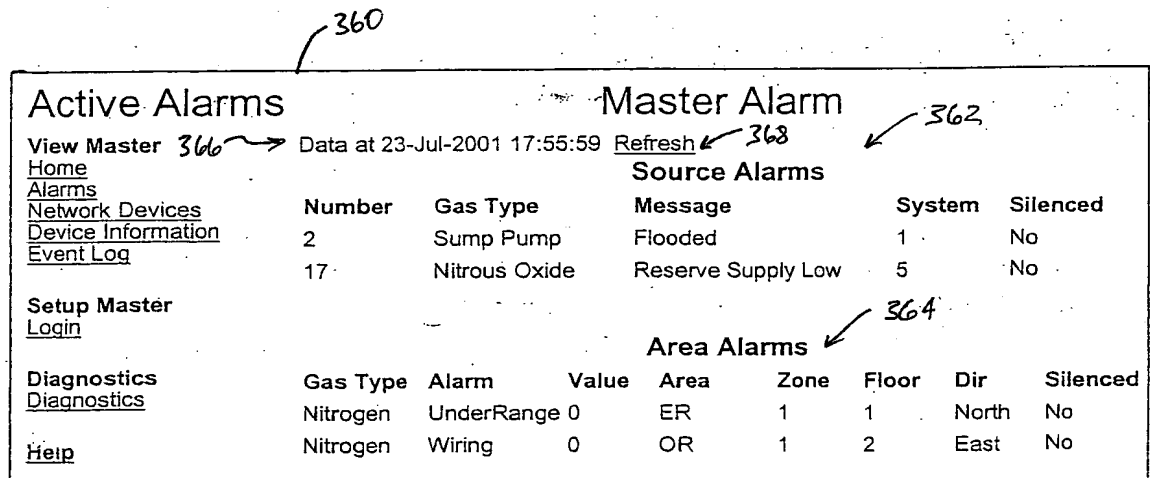


Fig. 11



374 370 376

Network Devices				Master Alarm							
View Master	Device	Jump	View	Type	SN	Area	Zone	Floor	Direction	Status	Alarms
Home	This Master	Jump	View	AreaComms	40000	General	1	1	North	OK	None
Alarms	Master49000	Jump	View	AreaComms	49000	ER	1	2	East	OK	None
Network Devices	Area390001	Jump	View	AreaComms	39001	ENG	1	1	North	OK	None
Device Information	Area39002	Jump	View	AreaComms	39002	OR	1	2	North	OK	None
Event Log	Area39003	Jump	View	AreaComms	39003	PACU	1	3	North	OK	None
Setup Master	Area39004	Jump	View	AreaComms	39004	COU	1	1	East	OK	None
Login	Area39005	Jump	View	AreaComms	39005	ENG	1	1	North	OK	None
Diagnostics	Area39006	Jump	View	AreaComms	39006	OR	1	1	South	OK	None
Diagnostics	Area39010	Jump	View	AreaComms	39010	PACU	1	3	East	OK	None
Help	Area39007	Jump	View	AreaComms	39007	PACU	1	3	East	OK	None
	Area39008	Jump	View	AreaComms	39008	ER	1	3	East	OK	None
	Area39009	Jump	View	AreaComms	39009	COU	1	3	North	OK	None

372 373

Fig. 12A

378

Device Information		Master Alarm
<u>View Master</u>	Type	Master Alarm
<u>Home</u>	Serial Number	10013
<u>Alarms</u>	Model Number	HRMM-0000-0000
<u>Network Devices</u>	Software Version	0.37
<u>Device Information</u>	Software Build	024
<u>Event Log</u>	Current Time	28-Jun-2001 13:33:39
<u>Setup Master</u>	Date Code	Week 23, 2001
<u>Login</u>	Name	Master10013
<u>Diagnostics</u>	Location	PBX
<u>Diagnostics</u>	Zone	1
<u>Help</u>	Floor	1
	Direction	South
	IP Address	192.168.1.100
	MAC Address	00:03:aa:00:00:13

Fig. 13



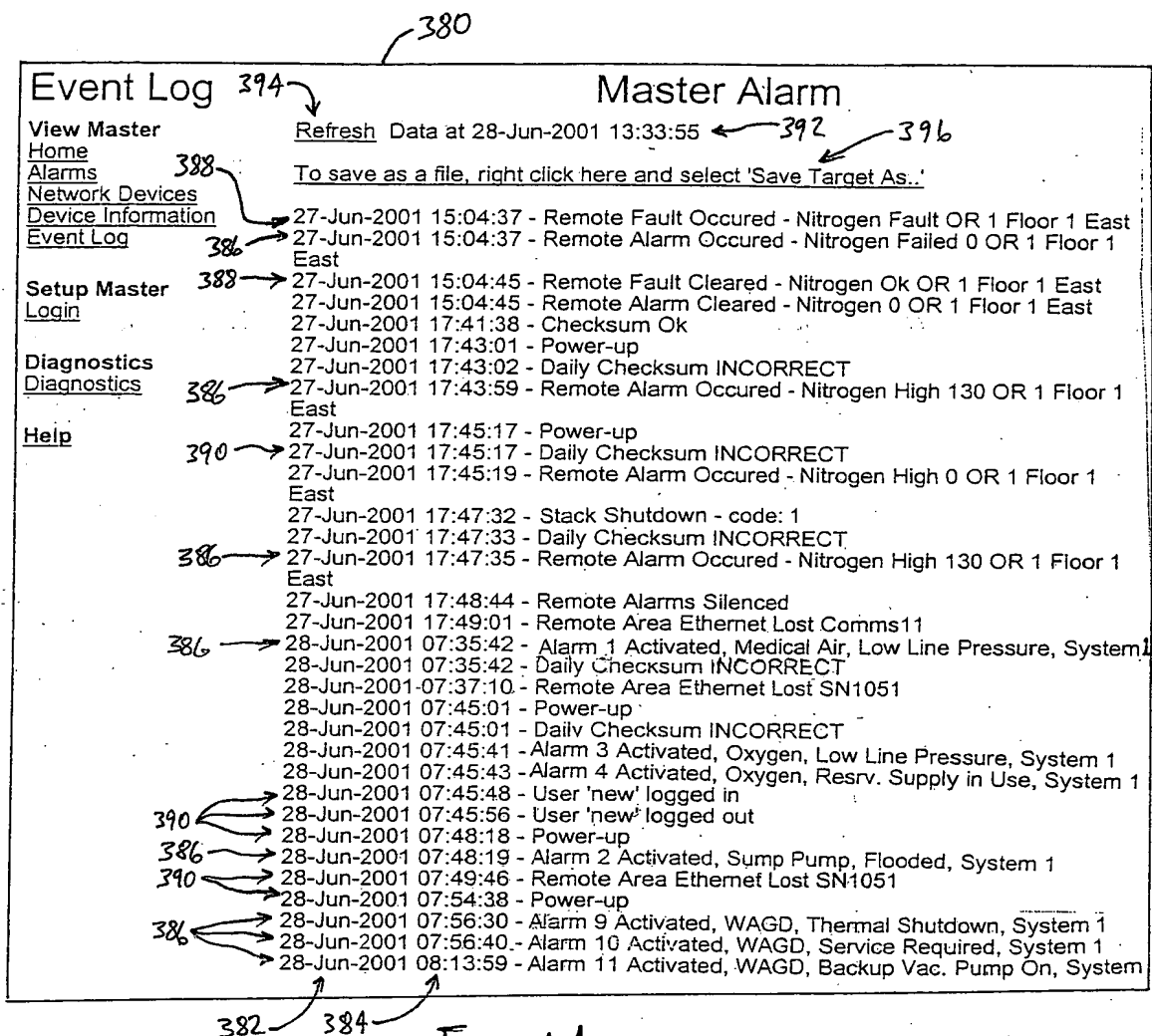


Fig. 14

200302-0100

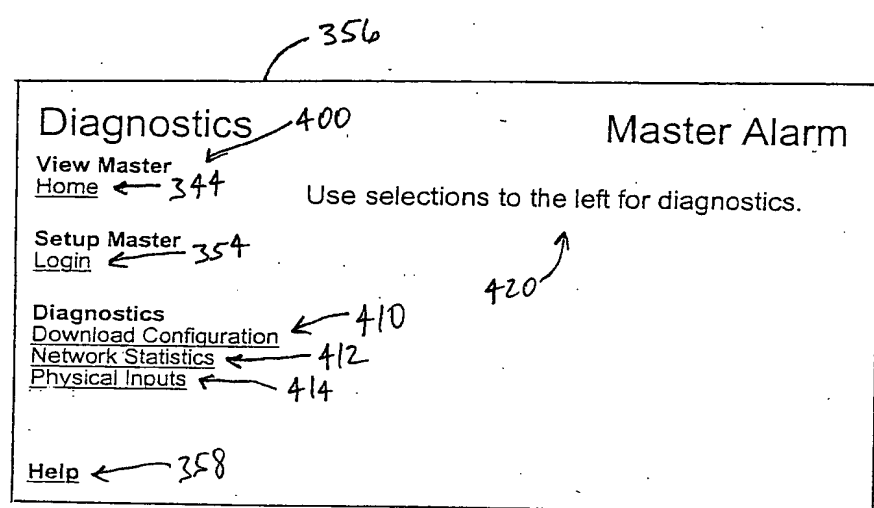


Fig. 15

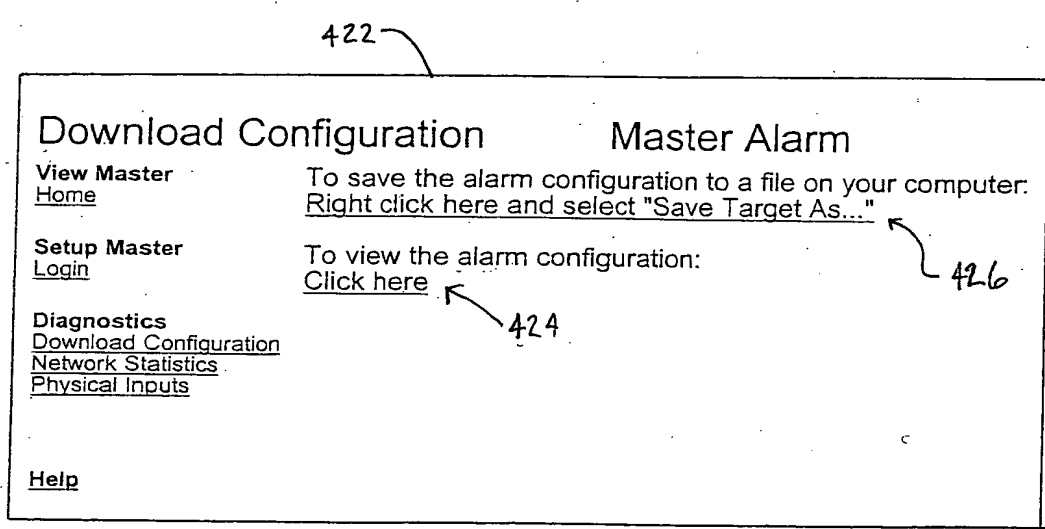


Fig. 16

## Master Alarm Configuration Summary

-432

- 430

Fig. 17

200270-2052660

## Network Statistics

[View Master Home](#)

[Setup Master Login](#)

[Diagnostics](#)

[Download Configuration](#)

[Network Statistics](#)

[Physical Inputs](#)

[Help](#)

## Master Alarm

[Refresh](#)

IP Address	192.168. 1.100
Subnet	255.255.255. 0
Gateway	192.168. 1. 1
Fixed IP Address	192.168. 1. 1
Fixed Subnet	255. 0. 0. 0
Fixed Gateway	0. 0. 0. 0
Mac Address	00:03:aa:00:00:13
Receives	354
Unicasts	332
Multicasts	0
Broadcasts	22
Rx Errors	0
Rx Missed	0
Rx CRC Errors	0
Rx Drops	0
Transmits	603
Buffer Defers	0
Tx Errors	0
Tx Collisions	0
Tx Coll. Overflow	0
Tx FILO Errors	0
Traffic Backoffs	0

Fig.18

434

## Hardware Diagnostics

[View Master Home](#)

[Setup Master Login](#)

[Diagnostics](#)

[Download Configuration](#)

[Network Statistics](#)

[Physical Inputs](#)

[Help](#)

## Master Alarm

[Refresh](#)

Physical Inputs:

Input	State	Input	State	Input	State
1	Open	11	Open	21	Open
2	Open	12	Open	22	Open
3	Open	13	Open	23	Open
4	Open	14	Open	24	Closed
5	Open	15	Open	25	Open
6	Open	16	Open	26	Open
7	Open	17	Open	27	Open
8	Open	18	Open	28	Open
9	Open	19	Open	29	Open
10	Open	20	Open	30	Open

442 Audible is On

444 Current Display  
Medical Vacuum Sys 1  
Low Vacuum

438

Fig.19

456

## Login

**View Master**  
[Home](#)  
[Alarms](#)  
[Network Devices](#)  
[Device Information](#)  
[Event Log](#)

**Setup Master**  
[Login](#)

**Diagnostics**  
[Diagnostics](#)

**Help**

## Master Alarm

These entries are case sensitive

User Name

Password

458

460

462

Fig. 20

464

Logged In 468

View Master Logout->Home 470

Master Alarm

You are logged in as new 466

Setup Master 472

Setup Alarm Messages 474

Setup Device 476

Email Notification 478

Set Clock 480

Administer Users 482

Setup Network 484

Clear Network 486

Update Flash 488

Transfer Setup 490

Logout 358

Help

Fig. 21

## Alarm Message Setup

## Master Alarm

[View Master Home](#)

Click on the number to change an alarm message.

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)

[Help](#)

### Alarm Input

### Gas Type

### Message for Condition

### LED

### System

1	Medical Air	Low Line Pressure	1	1
2	Medical Air	Compressor Malfunc.	1	1
3	Oxygen	Low Line Pressure	2	1
4	Oxygen	Resrv. Supply in Use	2	1
5	Oxygen	Low Line Pressure	2	2
6	Oxygen	Resrv. Supply in Use	2	2
7	Medical Vacuum	Low Vacuum	3	1
8	Medical Vacuum	Service Required	3	1
9	WAGD	Thermal Shutdown	4	1
10	WAGD	Service Required	4	1
11	WAGD	Backup Vac. Pump On	4	1
12	Unused	Unused	0	1
13	Unused	Unused	0	1
14	Unused	Unused	0	1
15	Unused	Unused	0	1
16	Unused	Unused	0	1
17	Nitrous Oxide	Reserve Supply Low	3	5
18	Unused	Unused	0	1
19	Unused	Unused	0	1
20	Unused	Unused	0	1
21	Unused	Unused	0	1
22	Unused	Unused	0	1
23	Unused	Unused	0	1
24	Unused	Unused	0	1
25	Unused	Unused	0	1
26	Unused	Unused	0	1
27	Unused	Unused	0	1
28	Unused	Unused	0	1
29	Unused	Unused	0	1
30	Unused	Unused	0	1

492

Fig. 22



## Setup Alarm Messages Step 2 Master Alarm

**View Master**  
Logout->Home

Select the Gas Type that is wired to input 17

- [Setup Master](#)
- [Setup Alarm Messages](#)
- [Setup Device](#)
- [Email Notification](#)
- [Set Clock](#)
- [Administer Users](#)
- [Setup Network](#)
- [Clear Network](#)
- [Update Flash](#)
- [Transfer Setup](#)
- [Logout](#)

**Help**

Gas Type Nitrous Oxide  
LED 3  
System 5

Next ← 514

Fig. 23

## Setup Alarm Messages Step 3 Master Alarm

**View Master**  
Logout->Home

Alarm Number	17
Gas Type	Nitrous Oxide
LED Number	3
System Number	5

- [Setup Master](#)
- [Setup Alarm Messages](#)
- [Setup Device](#)
- [Email Notification](#)
- [Set Clock](#)
- [Administer Users](#)
- [Setup Network](#)
- [Clear Network](#)
- [Update Flash](#)
- [Transfer Setup](#)
- [Logout](#)

Help

Alarm message for this input Reserve Supply Low

Next ← 522

Fig. 24

## Setup Alarm Messages Final Master Alarm

[View Master](#)  
[Logout->Home](#)

Changes complete

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

Input Number 17  
Gas Type Nitrous Oxide  
Alarm Message Reserve Supply Low  
Led Number 3  
System Number 5

[Return to Alarm Messages](#)

[Help](#)

Fig. 25

## Setup Device

[View Master](#)  
[Logout->Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

Device Name

Master10013

Location

PBX

Zone

1

Floor

1

Direction

South

Silenced return time

never

[Help](#)

Fig. 26

## Device Setup Accepted

[View Master](#)  
[Logout->Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

Changes to device setup were accepted

[Help](#)

Fig. 27

552

Email Notification	Master Alarm	
<a href="#">View Master Home</a>	SMTP Server Name	<input type="text" value="smtp.hospital.com"/> Example: smtp.hospital.com
<a href="#">Setup Master</a>	SMTP Server Address	<input type="text"/> Altername to name: NNN.NNN.NNN.NNN
<a href="#">Setup Alarm Messages</a>	Email Address 1	<input type="text" value="FacilityEngineer@hospital.com"/> Example: joe_service@hosital.com
<a href="#">Setup Device</a>	Email Address 2	<input type="text" value="2125554444@pager.com"/> Leave blank if unused
<a href="#">Email Notification</a>	Email Address 3	<input type="text"/> Leave blank if unused
<a href="#">Set Clock</a>	<input type="button" value="Submit"/> <input type="button" value="Reset"/>	
<a href="#">Administer Users</a>	The SMTP Server Address has priority over the SMTP Server Name. To use the SMTP Server Name, leave the SMTP Server Address blank. The SMTP Server Name requires a DNS look up. Alarms that occur before the Server Name is resolved are not sent.	
<a href="#">Setup Network</a>		
<a href="#">Clear Network</a>		
<a href="#">Update Flash</a>		
<a href="#">Transfer Setup</a>		
<a href="#">Help</a>		

Fig. 28

568

Email Changes Accepted	Master Alarm
<a href="#">View Master Home</a>	SMTP Server Name
<a href="#">Setup Master</a>	SMTP Server Address
<a href="#">Setup Alarm Messages</a>	Email Address 1
<a href="#">Setup Device</a>	Email Address 2
<a href="#">Email Notification</a>	Email Address 3
<a href="#">Set Clock</a>	
<a href="#">Administer Users</a>	
<a href="#">Setup Network</a>	
<a href="#">Clear Network</a>	
<a href="#">Update Flash</a>	
<a href="#">Transfer Setup</a>	
<a href="#">Help</a>	

Fig. 29

2003-07-26 10:54:27

572

**Set Clock**  
[View Master Home](#)  
[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Help](#)

**Master Alarm**  
Current Time: 26-Jul-2001 10:54:27  
Year 576 2001 588  
Month 578 Jul 588  
Date 580 26 588  
Hour 582 10 588  
Minute 584 54 588  
Second 586 27 588  
590 Submit Reset 592

Fig. 30

594

**Clock Accepted** 596  
[View Master Home](#)  
[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Help](#)

**Master Alarm**  
Changes were accepted  
The clock is now set to 26-Jul-2001 10:54:27

Fig. 31

0003503 013002

598

User Administration		Master Alarm	
<a href="#">View Master</a> <a href="#">Logout-&gt;Home</a>		These entries are case sensitive	
<a href="#">Setup Master</a> <a href="#">Setup Alarm Messages</a> <a href="#">Setup Device</a> <a href="#">Email Notification</a> <a href="#">Set Clock</a> <a href="#">Administer Users</a> <a href="#">Setup Network</a> <a href="#">Clear Network</a> <a href="#">Update Flash</a> <a href="#">Transfer Setup</a> <a href="#">Logout</a>	User 1 Name User 2 Name User 3 Name	User Name new   600 ↗	Password   610 ↗
<a href="#">Submit</a> <a href="#">Reset</a>			
612 ↗ 614 ↗			
<a href="#">Help</a>			

Fig. 32

616

User Name Changes Accepted		Master Alarm	
<a href="#">View Master</a> <a href="#">Home</a>		Changes to user name and password were accepted	
<a href="#">Setup Master</a> <a href="#">Setup Alarm Messages</a> <a href="#">Setup Device</a> <a href="#">Email Notification</a> <a href="#">Set Clock</a> <a href="#">Administer Users</a> <a href="#">Setup Network</a> <a href="#">Clear Network</a> <a href="#">Update Flash</a> <a href="#">Transfer Setup</a>			
<a href="#">Help</a>			

Fig. 33

## Network Settings

## Master Alarm

[View Master](#)  
[Logout->Home](#)

620 → Current Settings: IP address: 192.168.1.100 Subnet mask: 255.255.255.0

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

### IP Addressing

Choose the method for this hosts IP address assignment.

- 622 → ☒ Try DHCP server, then try Auto IP, finally use fixed IP address  
624 → ☐ Try DHCP server, then use fixed IP address  
626 → ☐ Try AutoIP, then use fixed IP address  
628 → ☐ Use fixed IP address always

[Help](#)

Fixed IP address

Fixed subnet mask

Fixed gateway

### Name Resolution

If you would like to refer to this device by host name 'Master10013' in addition to the IP address '192.168.1.100' you need a method of resolving names to IP addresses.

- 636 → ☒ Use NetBios Name Service to resolve Host names (WINS). This allows hosts to discover each other. Be aware that it uses a few broadcast messages. This option works well for a network with no administrated servers.

638 →   640

618

Fig. 34

642

## Network Setup

## Master Alarm

[View Master](#)  
[Home](#)

Network Changes were accepted

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)

[Help](#)

Fig. 35

## Clear Network

[View Master](#)  
[Logout->Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

[Help](#)

## Master Alarm

This operation refreshes the gas monitoring network.  
Clear the network if any device is removed or swapped out.  
This ensures the list of expected devices matches the current setup.

To clear the network [Click Here](#)

Fig. 36

## Changes Accepted

[View Master](#)  
[Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)

[Help](#)

## Master Alarm

Changes were accepted

Fig. 37

## Software Update

654 ↘

## Master Alarm

[View Master](#)  
[Logout->Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

[Help](#)

This device has updateable FLASH program memory. The memory can be updated with a new version of application software using a special program on your computer. Once the device enters the FLASH programming mode, new software must be downloaded from a PC.

656 ↘

The download process must be completed successfully before this device will work correctly again.

[Click here to enter the FLASH programming mode](#)

658 ↗

Fig. 38

652

660

## Verify FLASH Download Mode

## Master Alarm

[View Master](#)  
[Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)

[Help](#)

Verify your intention

Once FLASH programming mode is entered the device will not operate as an alarm system until the download is successfully complete.

[Click here to confirm entering FLASH programming mode](#)

662 ↗

Fig. 39



## Configuration Transfer

## Master Alarm

[View Master](#)  
[Logout->Home](#)

[Setup Master](#)  
[Setup Alarm Messages](#)  
[Setup Device](#)  
[Email Notification](#)  
[Set Clock](#)  
[Administer Users](#)  
[Setup Network](#)  
[Clear Network](#)  
[Update Flash](#)  
[Transfer Setup](#)  
[Logout](#)

[Help](#)

The configuration from this device can be transferred to another master over the network.

To transfer the configuration from this Master Alarm to another, click on the master below.

This Master Alarm is:  
**Master10013 (192.168.1.100) PBX1 Floor 1 South**

Transfer configuration to:  
**No other Masters Alarms were found**

Fig. 40

## Logout

## Master Alarm

[View Master](#)  
[Home](#)  
[Alarms](#)  
[Network Devices](#)  
[Device Information](#)  
[Event Log](#)

Logged out of setup.

[Setup Master](#)  
[Login](#)

[Diagnostics](#)  
[Diagnostics](#)

[Help](#)

Fig. 41

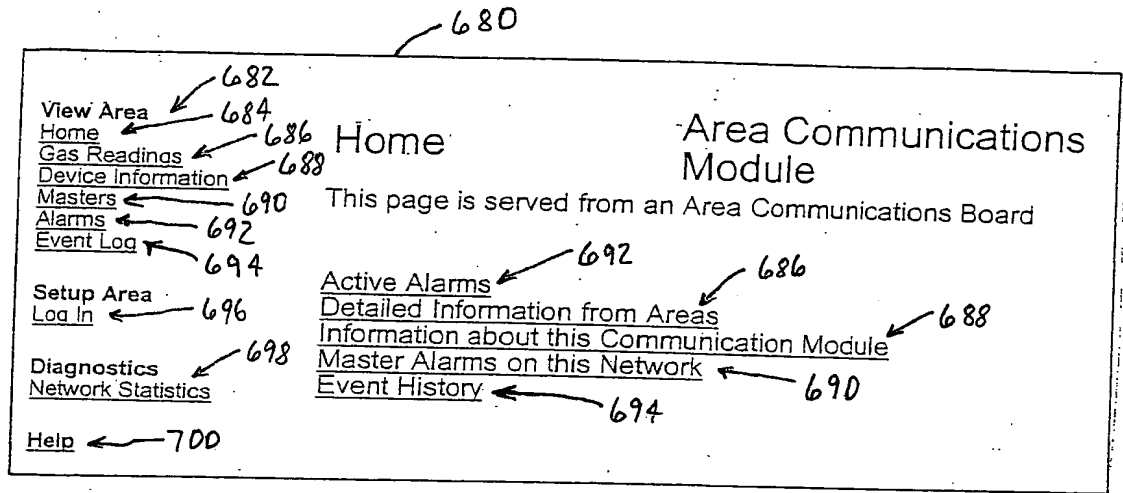


Fig. 42

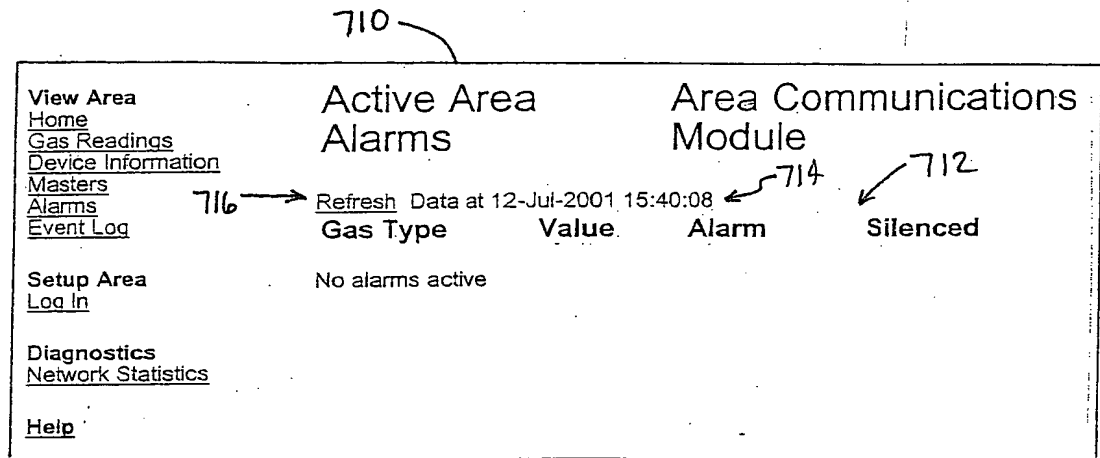


Fig. 43

View Area  
Home  
Gas Readings  
Device Information  
Masters  
Alarms  
Event Log  
Setup Area  
Log In  
Diagnostics  
Network Statistics  
Help

Area Display Data

Area Communications Module

719

Data at 12-Jul-2001 15:40:40 Refresh

721

720

Area Gas	Value	Units	Location	Alarms	Errors	Network
Nitrogen	144	PSI	OR1 Floor 1	None	Ok	Resolved

718

Fig. 44

View Area  
Home  
Gas Readings  
Device Information  
Masters  
Alarms  
Event Log  
Setup Area  
Log In  
Diagnostics  
Network Statistics  
Help

Area Display Data

Area Communications Module

724

Data at 12-Jul-2001 15:40:52

725

Item	Value
Gas Type	Nitrogen
Measurement	Pressure
Value	144-PSI
Alarm	None
Status	Ok
Connection	Resolved
Area	OR
Zone	1
Floor	1
Direction	
Alarm High	190 PSI
Alarm Low	140 PSI
Display SN	4100
Transducer-SN	1016

Fig. 45

20020701 2052000

<b>View Area</b> <a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	<b>Device Info</b>	<b>Area Communications Module</b>
<b>Setup Area</b> <a href="#">Log In</a>	Type: Area Communications Module	
<b>Diagnostics</b> <a href="#">Network Statistics</a>	Serial Number: 1051	
<a href="#">Help</a>	Model Number: HRCM-0000-0000	
	Software Version: 0:37	
	Software Build: 018	
	Current Time: 12-Jul-2001 15:41:20	
	Date Code: Week 7, 2001	
	Name: Comms11	
	Area: OR	
	Zone: 1	
	Floor: 1	
	Direction: East	
	IP Address: 192.168.1.200	
	MAC Address: 00:03:aa:00:00:11	

Fig. 46

738

740

<b>View Area</b> <a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	<b>Masters</b>	<b>Area Communications Module</b>
<b>Setup Area</b> <a href="#">Log In</a>	<a href="#">Refresh</a> Data at 12-Jul-2001 15:41:38	
<b>Diagnostics</b> <a href="#">Network Statistics</a>	<b>Master</b>	<b>Details</b>
<a href="#">Help</a>	<u>Master 10013</u>	<b>Location</b> PBX

744

742

Fig. 47

00023602 012002

View Area

Home

Gas Readings

Device Information

Masters

Alarms

Event Log

Setup Area

Log In

Diagnostics

Network Statistics

Help

Event Log

Area Communications Module

Refresh

Data at 12-Jul-2001 15:42:05

To save as a file, right click here and select 'Save Target As..'

10-Jul-2001 12:02:11 - Area Display lost SN=5001

10-Jul-2001 12:04:08 - Area Display lost S 2-Jul-2001 09:07:44 - Power-up

12-Jul-2001 09:07:44 - Checksum INCORRECT

12-Jul-2001 09:37:48 - Power-up

12-Jul-2001 09:37:48 - Checksum Ok

12-Jul-2001 09:39:34 - Power-up

12-Jul-2001 09:39:34 - Checksum Ok

12-Jul-2001 09:41:59 - Power-up

12-Jul-2001 09:41:59 - Checksum Ok

12-Jul-2001 09:45:20 - Power-up

12-Jul-2001 09:45:20 - Checksum Ok

12-Jul-2001 09:50:02 - Power-up

12-Jul-2001 09:50:02 - Checksum Ok

12-Jul-2001 09:51:49 - Power-up

12-Jul-2001 09:51:49 - Checksum Ok

12-Jul-2001 09:54:05 - Power-up

12-Jul-2001 09:54:05 - Checksum Ok

12-Jul-2001 10:00:50 - Power-up

12-Jul-2001 10:00:50 - Checksum Ok

12-Jul-2001 10:04:08 - Power-up

12-Jul-2001 10:04:08 - Checksum Ok

12-Jul-2001 10:08:20 - Power-up

12-Jul-2001 10:08:20 - Checksum Ok

12-Jul-2001 10:10:28 - Power-up

12-Jul-2001 10:10:28 - Checksum Ok

12-Jul-2001 10:13:15 - Power-up

12-Jul-2001 10:13:15 - Checksum Ok

12-Jul-2001 10:18:13 - Power-up

12-Jul-2001 10:18:13 - Checksum Ok

12-Jul-2001 10:20:04 - Power-up

12-Jul-2001 10:20:04 - Checksum Ok

12-Jul-2001 10:22:04 - Power-up

12-Jul-2001 10:22:04 - Checksum Ok

12-Jul-2001 10:23:20 - Power-up

12-Jul-2001 10:23:20 - Checksum Ok

12-Jul-2001 10:26:58 - Power-up

12-Jul-2001 10:26:58 - Checksum Ok

12-Jul-2001 10:30:02 - Power-up

12-Jul-2001 10:30:02 - Checksum Ok

12-Jul-2001 10:31:28 - Power-up

12-Jul-2001 10:31:28 - Checksum Ok

12-Jul-2001 10:32:38 - Power-up

12-Jul-2001 10:32:38 - Checksum Ok

12-Jul-2001 10:32:57 - User 'new' logged in

12-Jul-2001 10:37:52 - Power-up

12-Jul-2001 10:37:52 - Checksum Ok

12-Jul-2001 10:38:08 - User " logged out

12-Jul-2001 10:38:17 - User " logged out

12-Jul-2001 10:38:19 - User " logged out

746

Fig. 48

<a href="#">View Area</a> <a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>  <a href="#">Setup Area</a> <a href="#">Log In</a>  <a href="#">Diagnostics</a> <a href="#">Network Statistics</a>  <a href="#">Help</a>	<h1>Login</h1> <p>These entries are case sensitive</p> <p>User Name <input type="text" value="new"/></p> <p>Password <input type="password"/></p> <p><input type="button" value="Submit"/></p>	<h1>Area Communications Module</h1>
--	--	-------------------------------------

Fig. 49

766

**View Area** ← 770  
Home  
Gas Readings  
Device Information  
Masters  
Alarms  
Event Log

**Login Status**      **Area Communications Module**

You are logged in as new ← 768

**Setup Area** ← 772  
Setup Device ← 774  
Setup Network ← 776  
Set Clock ← 778  
Administrative Users ← 780  
Update Flash ← 782  
Log Out

**Diagnostics**  
Network Statistics

Help

Fig. 50

2025-10-20 10:20:20

786

View Area	Device Settings	Area Communications Module
<a href="#">Home</a>	Device Name <input type="text" value="Comms11"/>	788
<a href="#">Gas Readings</a>	Location Area <input type="text" value="OR"/>	790 791
<a href="#">Device Information</a>	Location Zone <input type="text" value="1"/>	796
<a href="#">Masters</a>	Location Floor <input type="text" value="1"/>	792
<a href="#">Alarms</a>	Location Direction <input type="text" value="East"/>	795
<a href="#">Event Log</a>	<input type="button" value="Submit"/> <input type="button" value="Reset"/>	794
<a href="#">Setup Area</a>	798	800
<a href="#">Setup Device</a>		
<a href="#">Setup Network</a>		
<a href="#">Set Clock</a>		
<a href="#">Administrate Users</a>		
<a href="#">Update Flash</a>		
<a href="#">Log Out</a>		
<a href="#">Diagnostics</a>		
<a href="#">Network Statistics</a>		
<a href="#">Help</a>		

Fig. 51

810

View Area	Device Setup Results	Area Communications Module
<a href="#">Home</a>	Changes to device setup where accepted	
<a href="#">Gas Readings</a>	812	
<a href="#">Device Information</a>		
<a href="#">Masters</a>		
<a href="#">Alarms</a>		
<a href="#">Event Log</a>		
<a href="#">Setup Area</a>		
<a href="#">Setup Device</a>		
<a href="#">Setup Network</a>		
<a href="#">Set Clock</a>		
<a href="#">Administrate Users</a>		
<a href="#">Update Flash</a>		
<a href="#">Log Out</a>		
<a href="#">Diagnostics</a>		
<a href="#">Network Statistics</a>		
<a href="#">Help</a>		

Fig. 52

**View Area**  
[Home](#)  
[Gas Readings](#)  
[Device Information](#)  
[Masters](#)  
[Alarms](#)  
[Event Log](#)

**Setup Area**  
[Setup Device](#)  
[Setup Network](#)  
[Set Clock](#)  
[Administrate Users](#)  
[Update Flash](#)  
[Log Out](#)

**Diagnostics**  
[Network Statistics](#)

[Help](#)

## Network Settings

### Area Communications Module

816 → Current Settings: IP address: 192.168.1.200 Subnet mask: 255.255.255.0

#### IP Addressing

Choose the method for this hosts IP address assignment.

818 → ☒ Try DHCP server, then try Auto IP; finally use fixed IP address  
 820 → ☐ Try DHCP server, then use fixed IP address  
 822 → ☐ Try AutoIP, then use fixed IP address  
 824 → ☐ Use fixed IP address always

Fixed IP address  ← 826  
 Fixed subnet mask  ← 828  
 Fixed gateway  ← 830

#### Name Resolution

If you would like to refer to this device by host name 'Comms11' in addition to the IP address '192.168.1.200' you need a method of resolving names to IP addresses.

832 → ☒ Use NetBios Name Service to resolve Host names (WINS): This allows hosts to discover each other. Be aware that it uses a few broadcast messages. This option works well for a network with no administrated servers.

834 →   ← 836

Fig. 53

**View Area**  
[Home](#)  
[Gas Readings](#)  
[Device Information](#)  
[Masters](#)  
[Alarms](#)  
[Event Log](#)

**Setup Area**  
[Setup Device](#)  
[Setup Network](#)  
[Set Clock](#)  
[Administrate Users](#)  
[Update Flash](#)  
[Log Out](#)

**Diagnostics**  
[Network Statistics](#)

[Help](#)

## Area Display - Network Setup Result

Changes to the network setup where accepted

Fig. 54



View Area	Set Clock	Area Communications Module
<a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	Current Time: 12-Jul-2001 15:47:02 ← 842  Year 844 → 2001 ← 856 Month 846 → July ← 856 Date 848 → 12 ← 856 Hour 850 → 15 ← 856 Minute 852 → 47 ← 856 Second 854 → 2 ← 856  858 → <input type="button" value="Submit"/> <input type="button" value="Reset"/> ← 860	
<a href="#">Setup Area</a> <a href="#">Setup Device ~</a> <a href="#">Setup Network</a> <a href="#">Set Clock</a> <a href="#">Administratre Users</a> <a href="#">Update Flash</a> <a href="#">Log Out</a>		
<a href="#">Diagnostics</a> <a href="#">Network Statistics</a>		
<a href="#">Help</a>		

Fig. 55

View Area	Area Comms - Change Result
<a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	Changes where accepted ← 864  The clock is now set to 12-Jul-2001 15:47:02
<a href="#">Setup Area</a> <a href="#">Setup Device</a> <a href="#">Setup Network</a> <a href="#">Set Clock</a> <a href="#">Administratre Users</a> <a href="#">Update Flash</a> <a href="#">Log Out</a>	
<a href="#">Diagnostics</a> <a href="#">Network Statistics</a>	
<a href="#">Help</a>	

Fig. 56

2002-01-20 10:00

View Area	User Administration	Area Communications Module									
<a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	These entries are case sensitive										
<a href="#">Setup Area</a> <a href="#">Setup Device</a> <a href="#">Setup Network</a> <a href="#">Set Clock</a> <a href="#">Administrate Users</a> <a href="#">Update Flash</a> <a href="#">Log Out</a>	<div>868 → <b>User Name</b>      <b>Password</b> ← 870</div> <table><tr><td>User 1 Name</td><td><input type="text" value="new"/></td><td><input type="text"/></td></tr><tr><td>User 2 Name</td><td><input type="text"/></td><td><input type="text"/></td></tr><tr><td>User 3 Name</td><td><input type="text"/></td><td><input type="text"/></td></tr></table> <div>872 → <input type="button" value="Submit"/>    <input type="button" value="Reset"/> ← 874</div>		User 1 Name	<input type="text" value="new"/>	<input type="text"/>	User 2 Name	<input type="text"/>	<input type="text"/>	User 3 Name	<input type="text"/>	<input type="text"/>
User 1 Name	<input type="text" value="new"/>	<input type="text"/>									
User 2 Name	<input type="text"/>	<input type="text"/>									
User 3 Name	<input type="text"/>	<input type="text"/>									
<a href="#">Diagnostics</a> <a href="#">Network Statistics</a>											
<a href="#">Help</a>											

Fig. 57

View Area	Change User Info Result	Area Communications Module
<a href="#">Home</a> <a href="#">Gas Readings</a> <a href="#">Device Information</a> <a href="#">Masters</a> <a href="#">Alarms</a> <a href="#">Event Log</a>	Changes to user name and password where accepted	
<a href="#">Setup Area</a> <a href="#">Setup Device</a> <a href="#">Setup Network</a> <a href="#">Set Clock</a> <a href="#">Administrate Users</a> <a href="#">Update Flash</a> <a href="#">Log Out</a>		
<a href="#">Diagnostics</a> <a href="#">Network Statistics</a>		
<a href="#">Help</a>		

Fig. 58

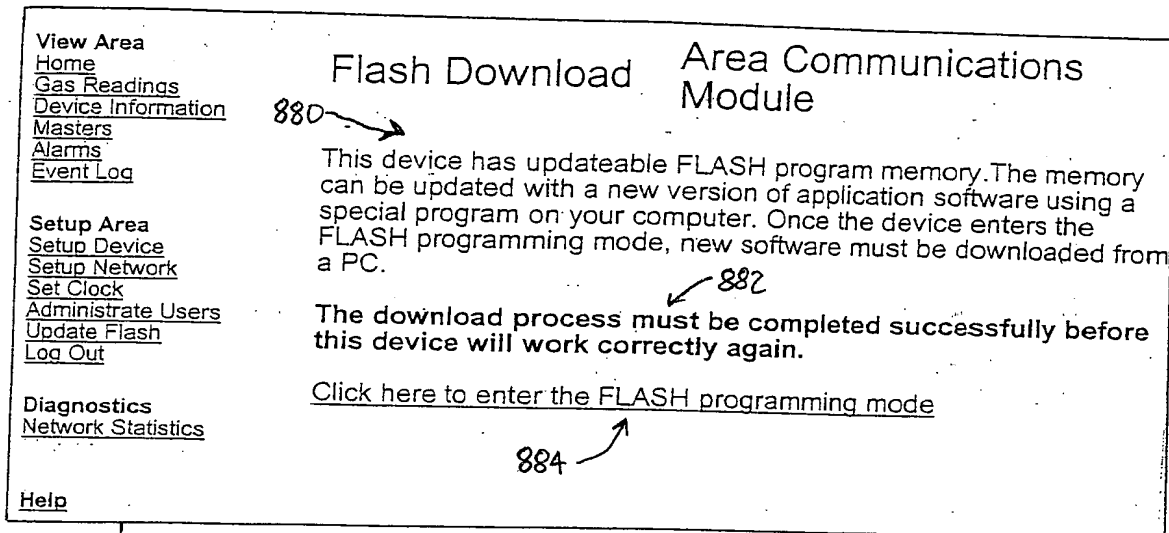


Fig. 59

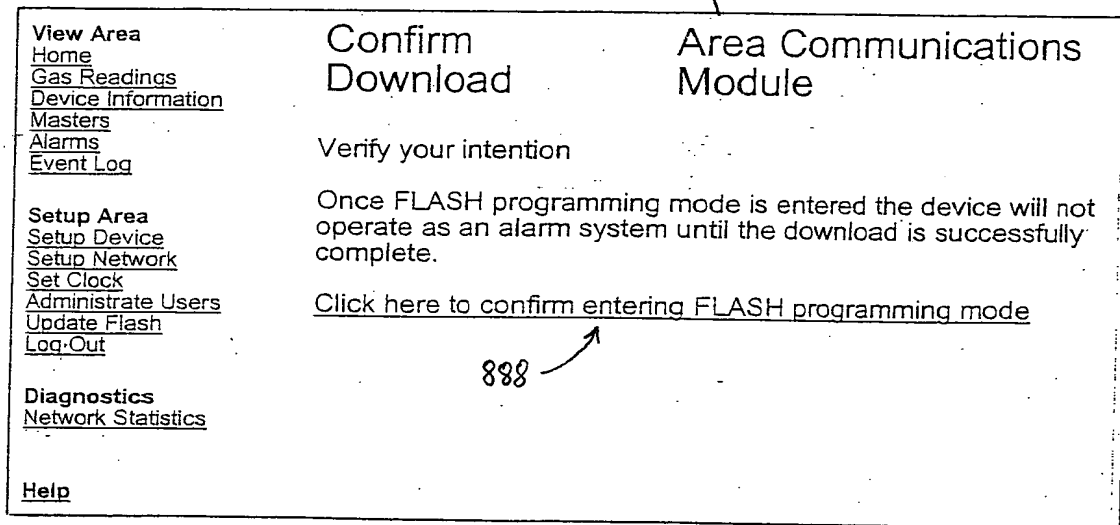


Fig. 60

Fig. 61

# FIG. 62

FIG. 62A	FIG. 62D	FIG. 62G	FIG. 62J	FIG. 62M	FIG. 62P	FIG. 62S
FIG. 62B	FIG. 62E	FIG. 62H	FIG. 62K	FIG. 62N	FIG. 62Q	FIG. 62T
FIG. 62C	FIG. 62F	FIG. 62I	FIG. 62L	FIG. 62O	FIG. 62R	FIG. 62U

2025-01-20 10:00:00

FIG. 62A

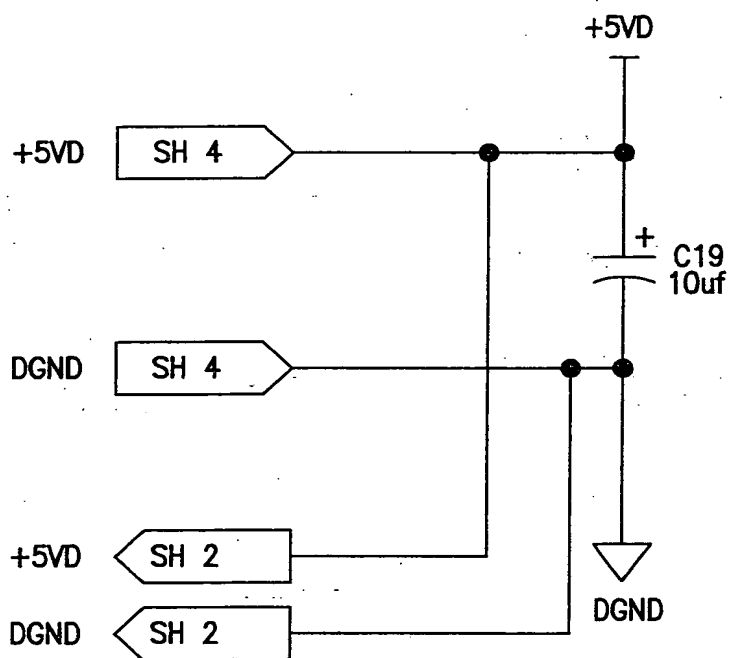


FIG. 62B

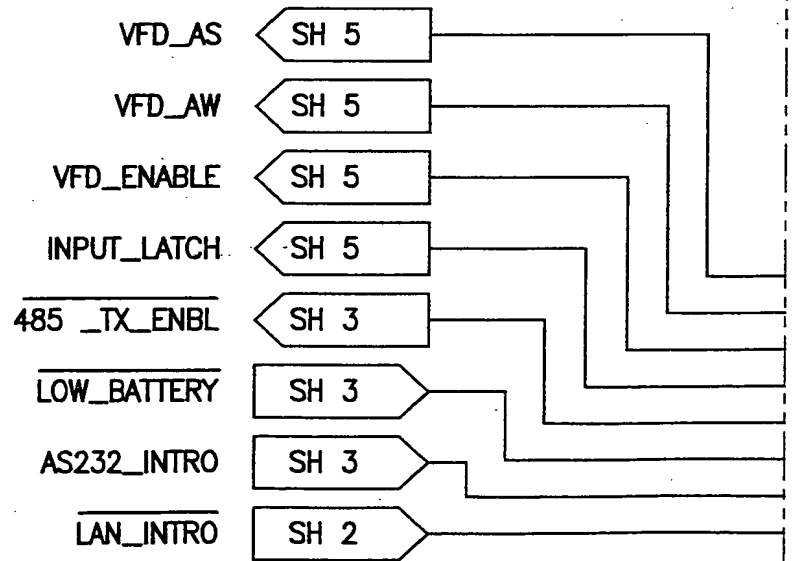
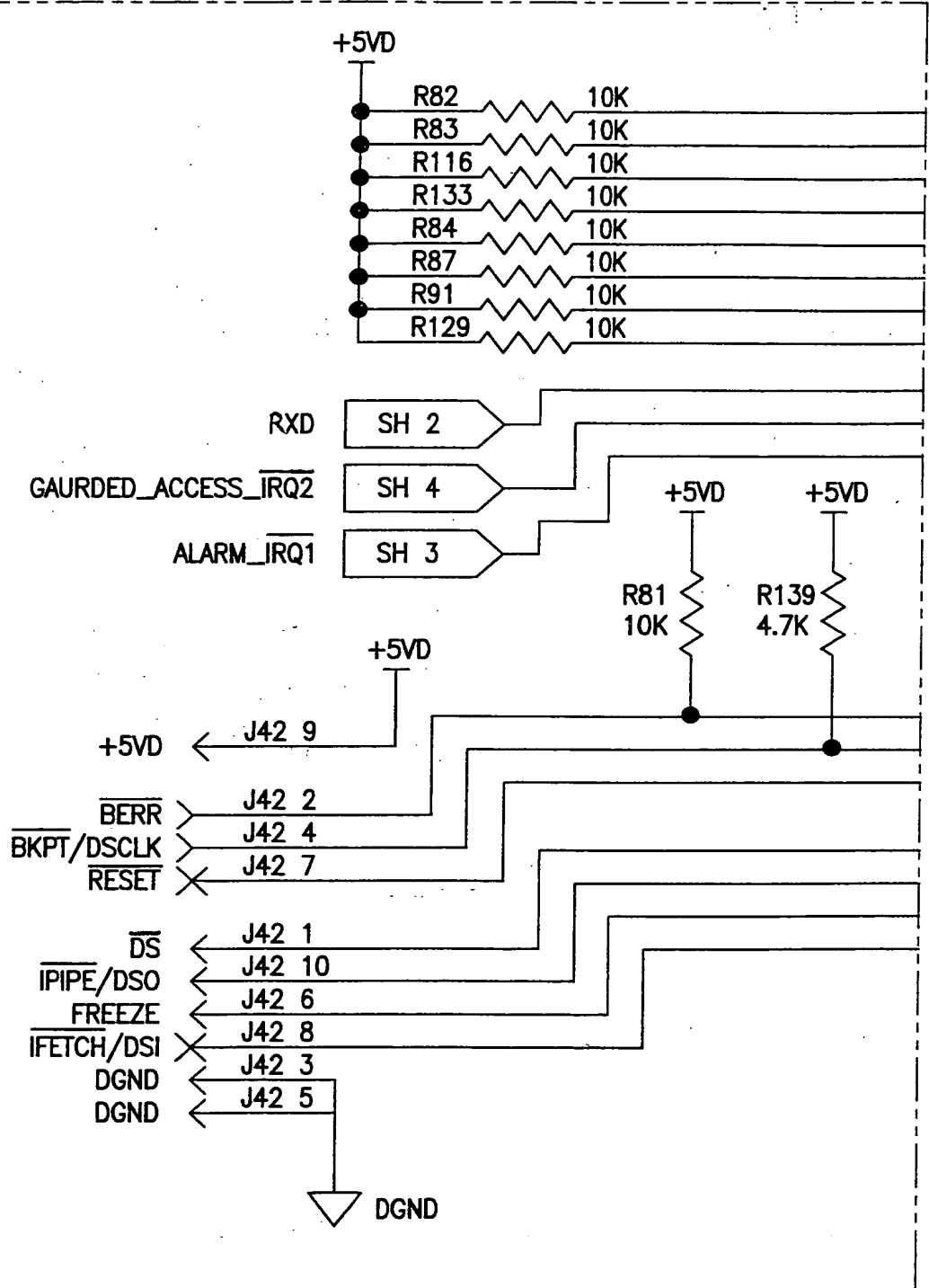


FIG. 62C



200510 20522600



[illegible]

FIG. 62E

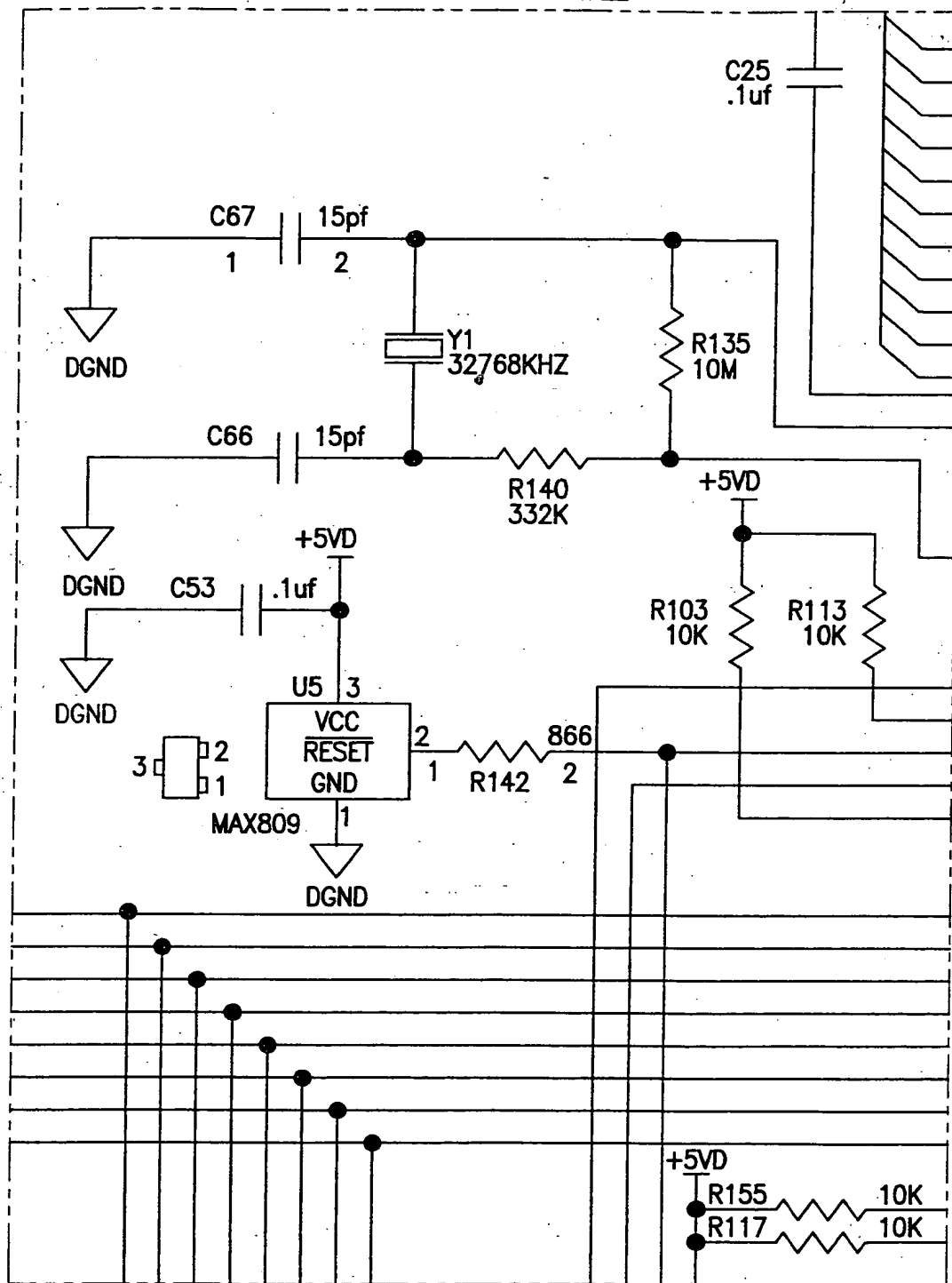
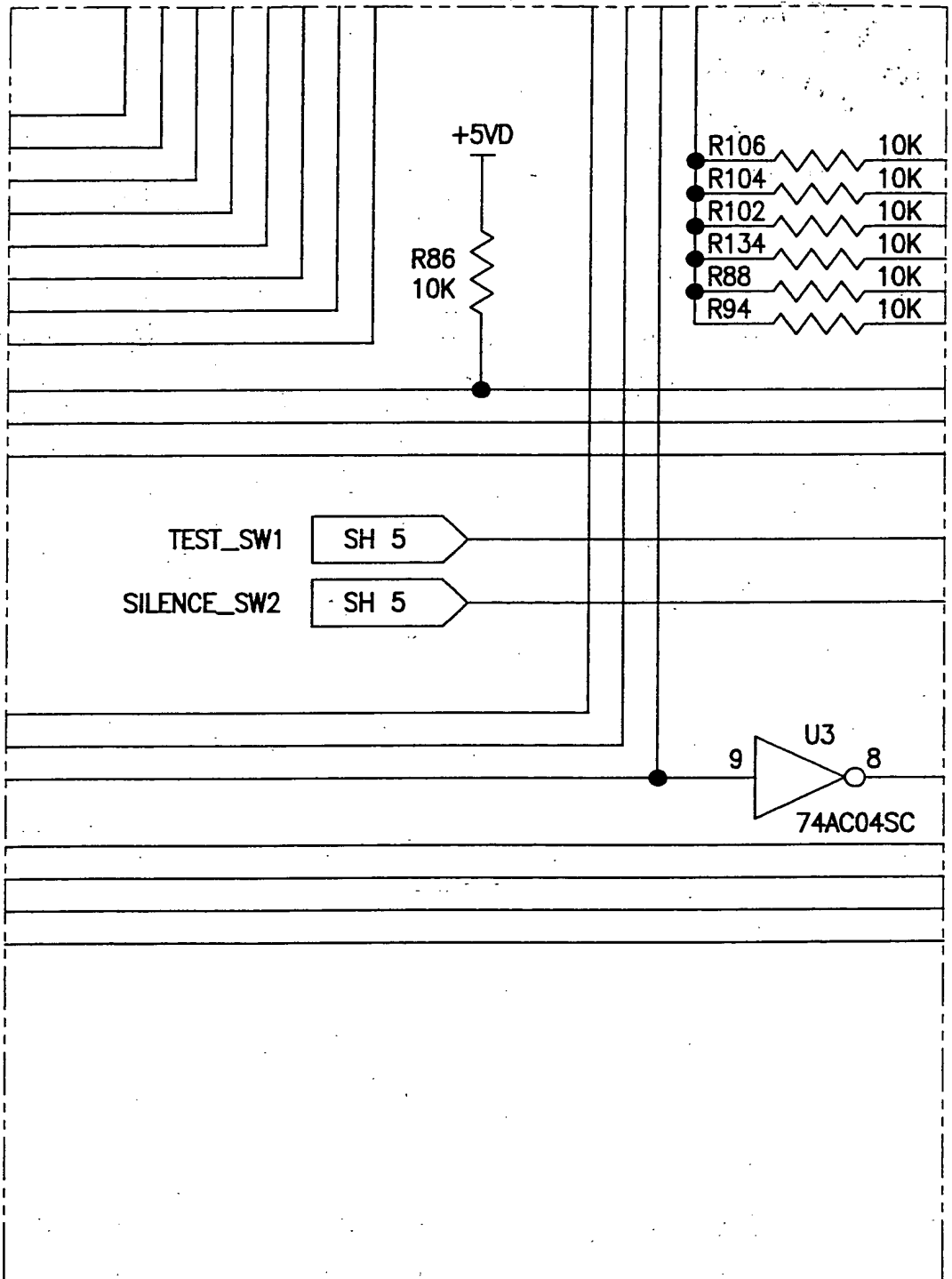


FIG. 62F



2025-02-20 10:20:20

FIG. 62G

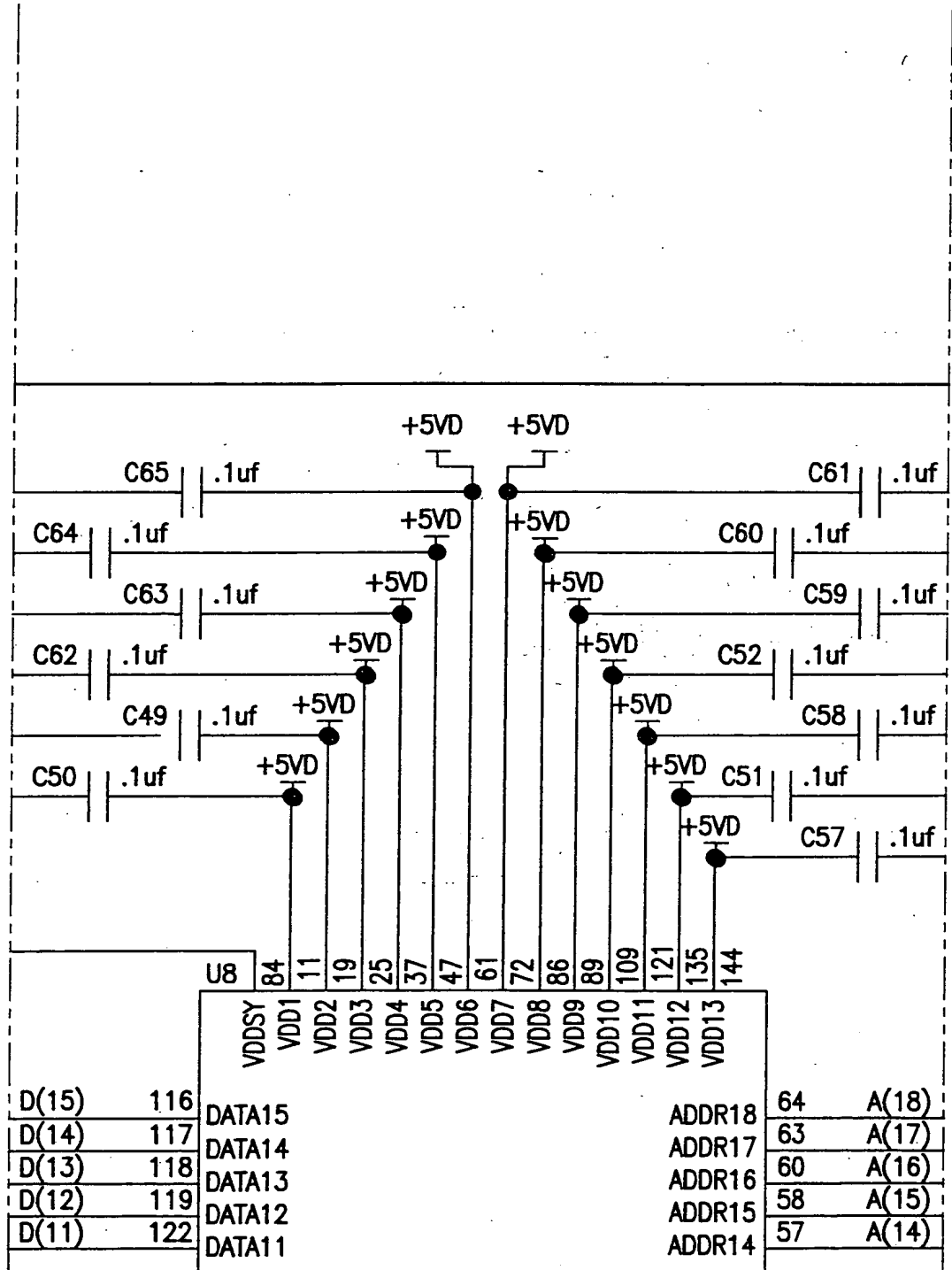


FIG. 62H

D(10)	124	DATA10	ADDR13	56	A(13)
D(9)	125	DATA9	ADDR11	52	A(12)
D(8)	127	DATA8	ADDR12	51	A(11)
D(7)	130	DATA7	ADDR10	50	A(10)
D(6)	131	DATA6	ADDR9	49	A(9)
D(5)	132	DATA5	ADDR8	46	A(8)
D(4)	133	DATA4	ADDR7	45	A(7)
D(3)	136	DATA3	ADDR6	44	A(6)
D(2)	137	DATA2	ADDR5	43	A(5)
D(1)	138	DATA1	ADDR4	42	A(4)
D(0)	139	DATA0	ADDR3	41	A(3)
	1	NC1	ADDR2	40	A(2)
	16	NC2	ADDR1	39	A(1)
	17	NC3	ADDR0	115	A(0)
	87	XFC	NC14	88	A(19)
	85	EXTAL	ADDR23/CS10	10	
	83	XTAL	ADDR22/CS9/PC6	9	
	18	NC4	ADDR21/CS8/PC5	8	
	21	NC5	ADDR20/CS7/PC4	7	
	27	NC6	ADDR19/CS6/PC3	6	
	94	BERR	CS5/FC2/PC2	5	
	93	HALT	CS4/FC1/PC1	4	
	92	RESET	CS3/FC0/PC0	3	
	79	BKPT/DSCLK	NC15	108	
	80	TSC	BGACK/CS2	143	
	34	NC7	BG/CS1	142	
	36	NC8	BH/CS0	141	
	23	IC4/OC5/OC1/PGP7	CSB00T	140	
	24	OC4/OC1/PGP6	NC16	123	
	28	OC3/OC1/PGP5	R/W	103	
	29	OC2/OC1/PGP4	CLKOUT	90	
	30	OC1/PGP3	PWMA	15	
	31	IC3/PGP2	PWMB	14	
	32	IC2/PGP1	FREEZE/OOUT	81	
	33	IC1/PGP0	IPIPE/QS0	77	
	38	NC9	IFETCH/DSI	78	
	53	NC10	NC17	126	
	22	PAI	SIZ1/PE7	104	
	13	PCLK	SIZ0/PE6	105	

[illegible]

FIG. 621

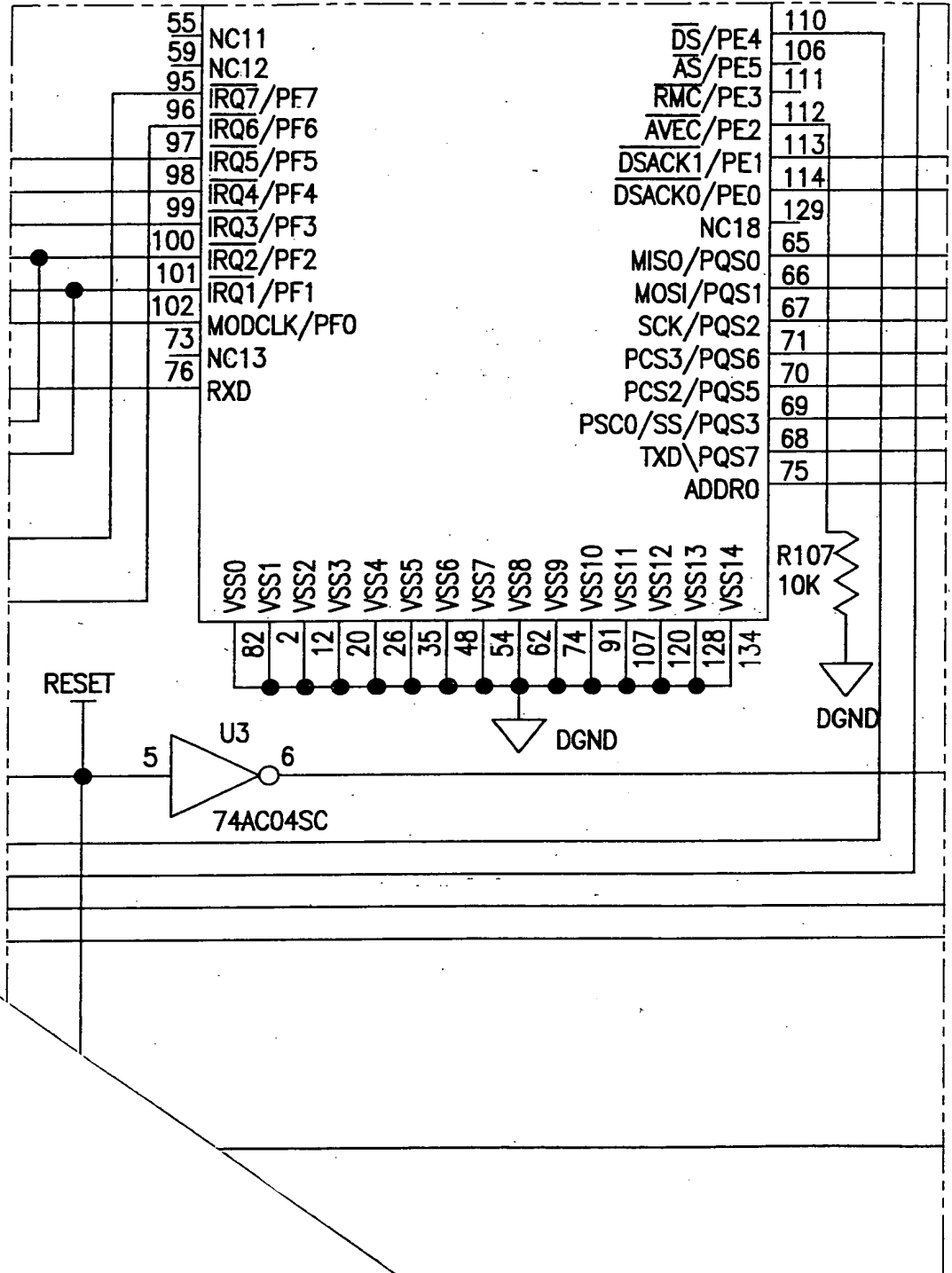


FIG. 62J

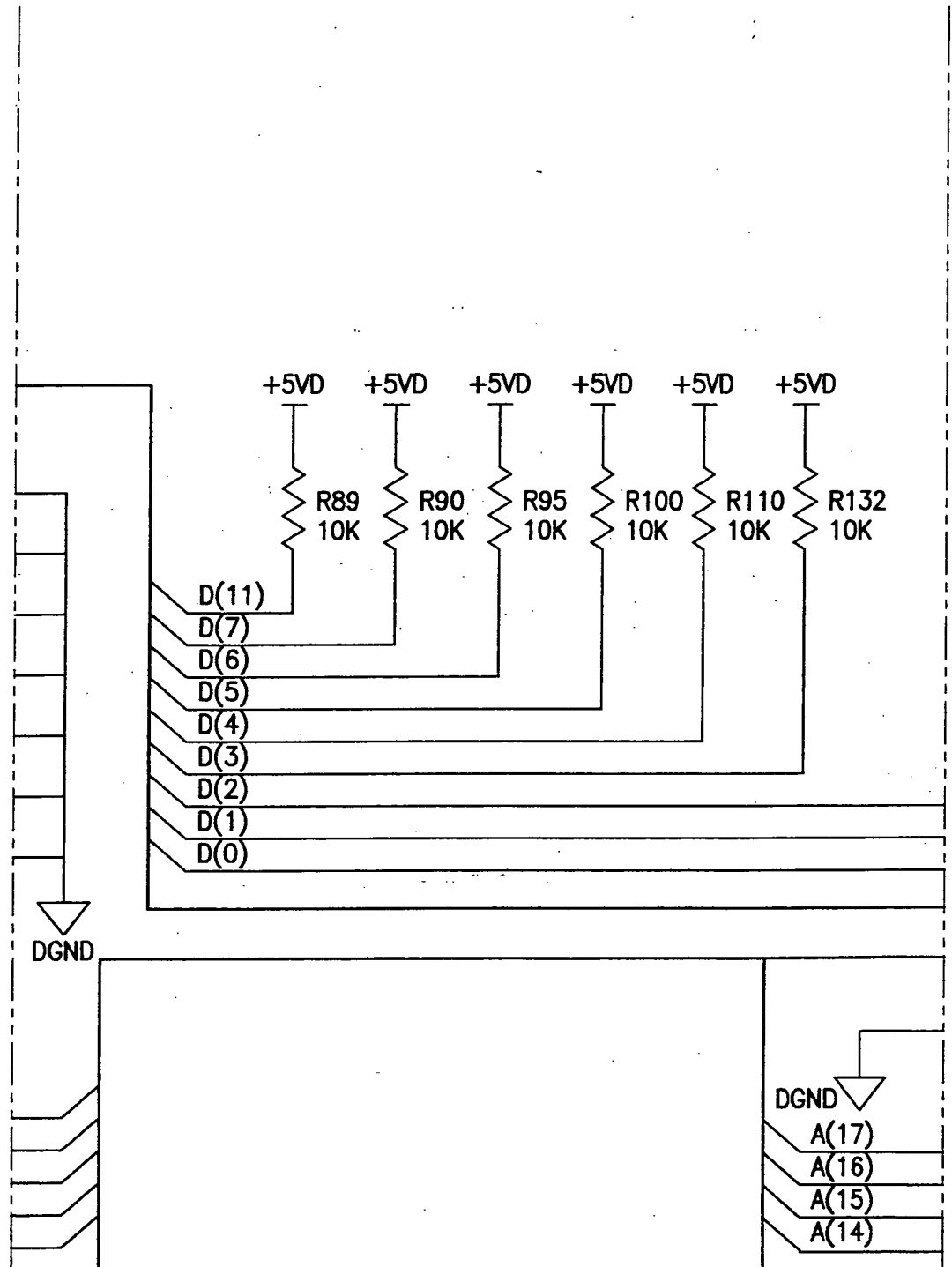
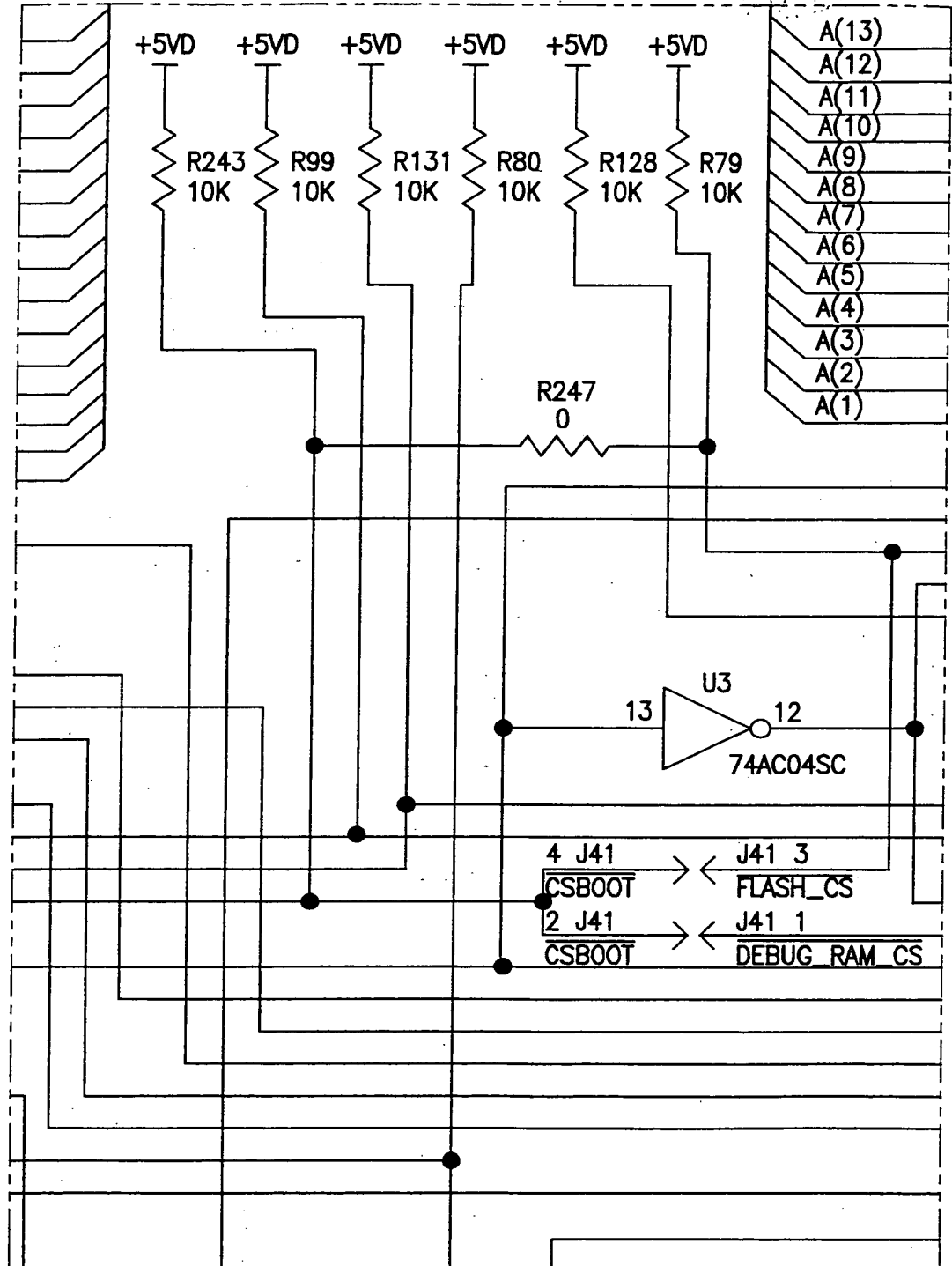


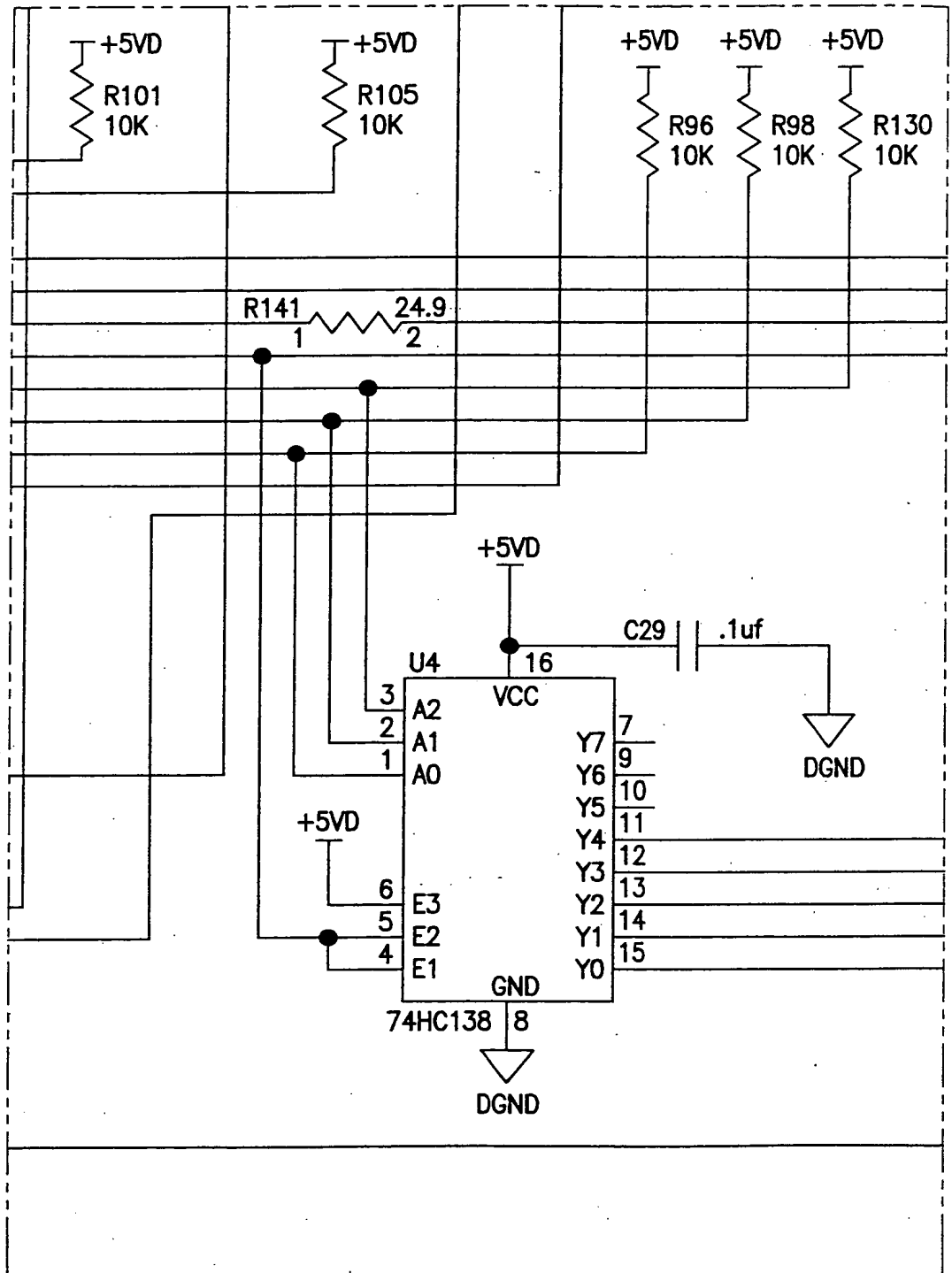
FIG. 62K



200210-20522000

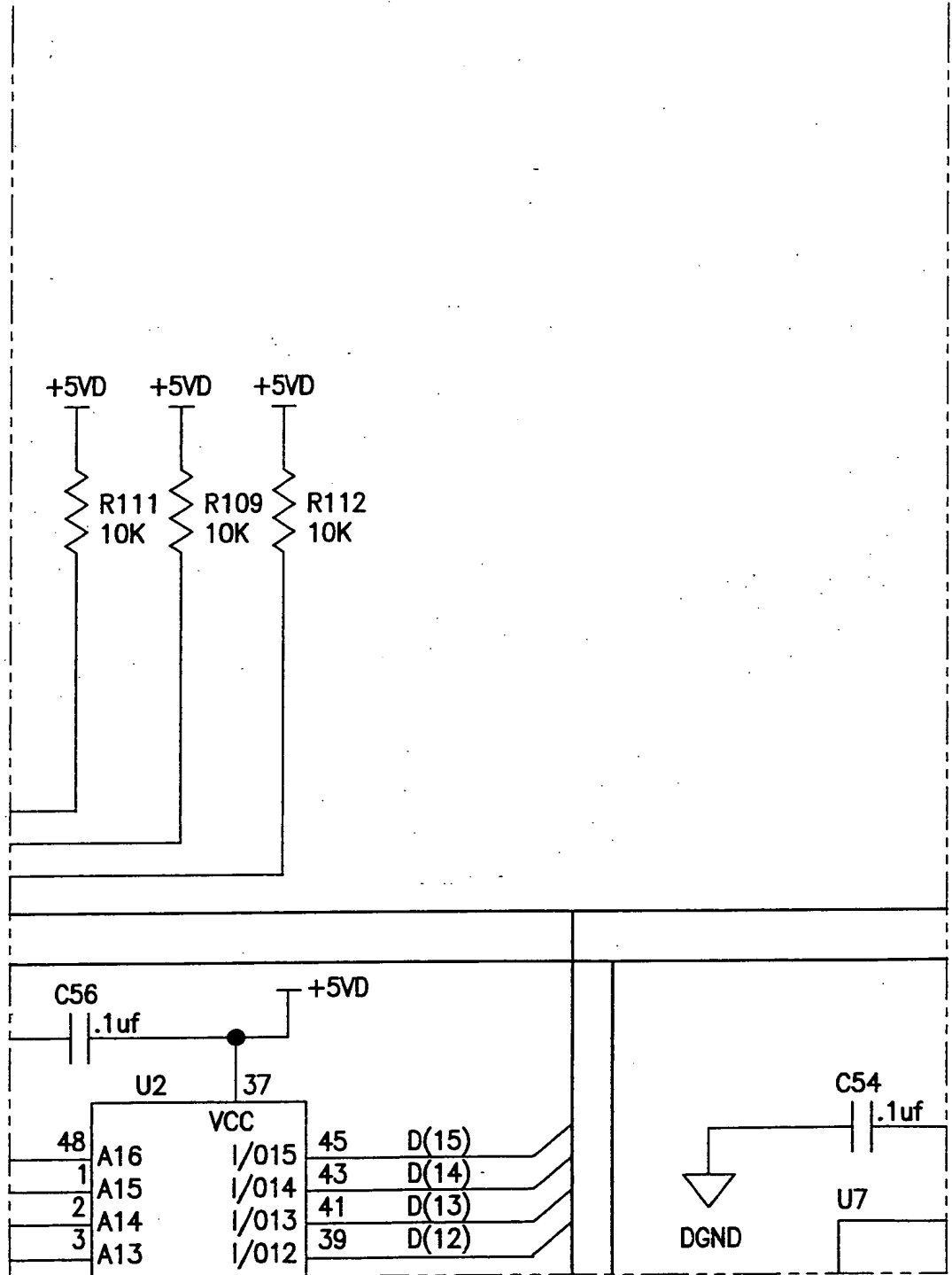


FIG. 62L



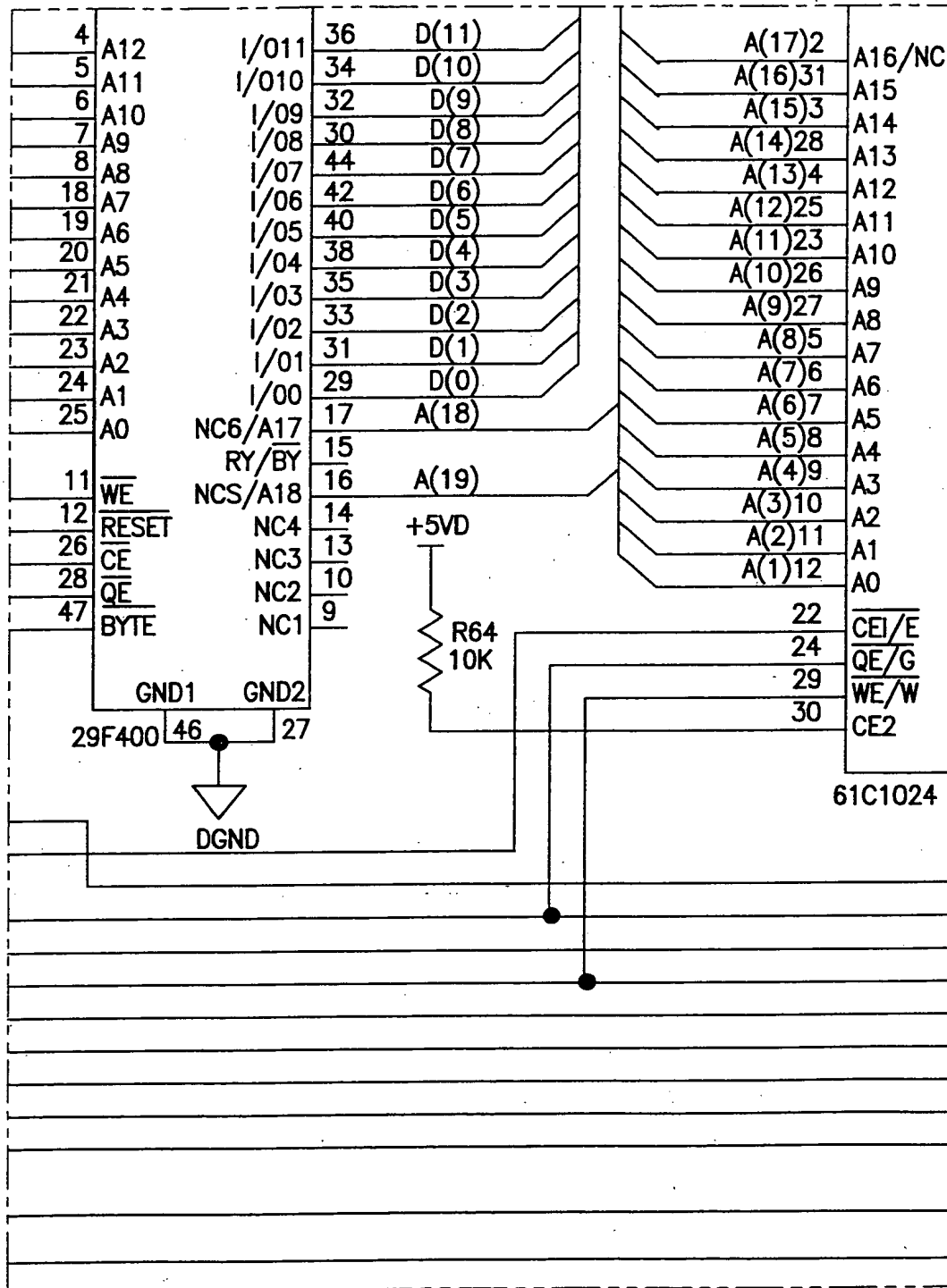
200210-20522660

FIG. 62M



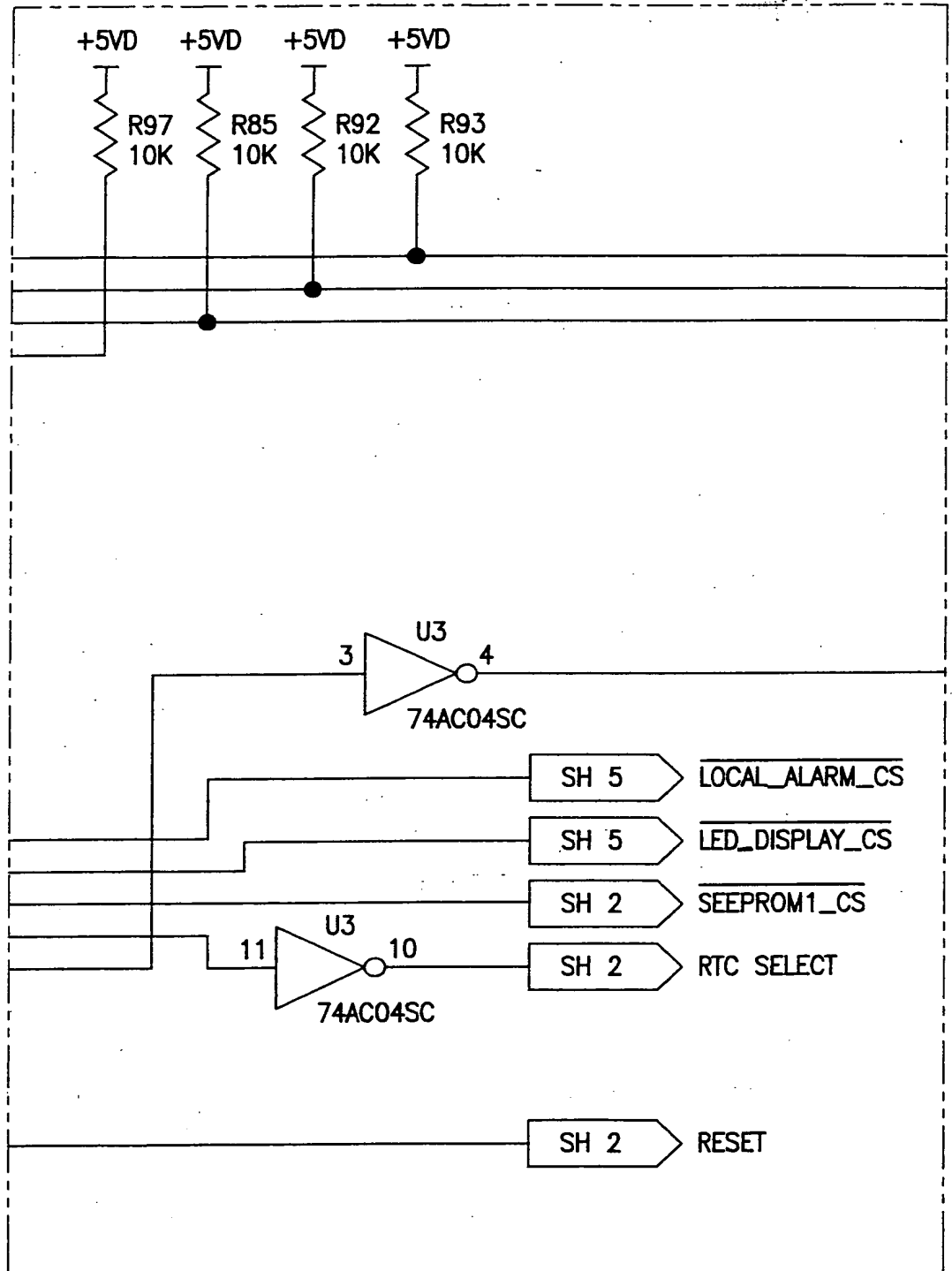
20030303 042002

# FIG. 62N



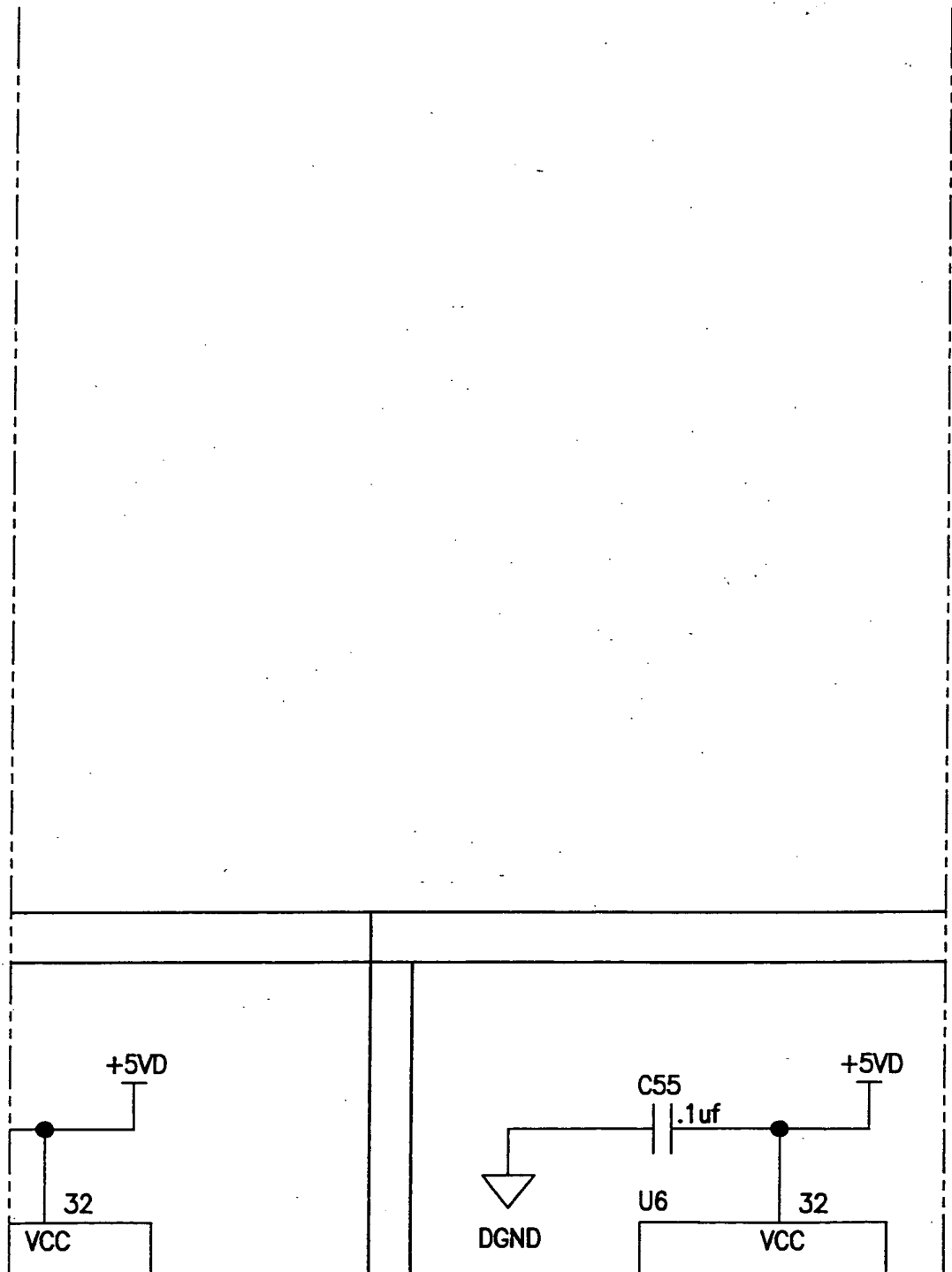
00023502 012902

FIG. 620



2025-07-20 10:20:00

FIG. 62P



20220720 20220720

# FIG. 62Q

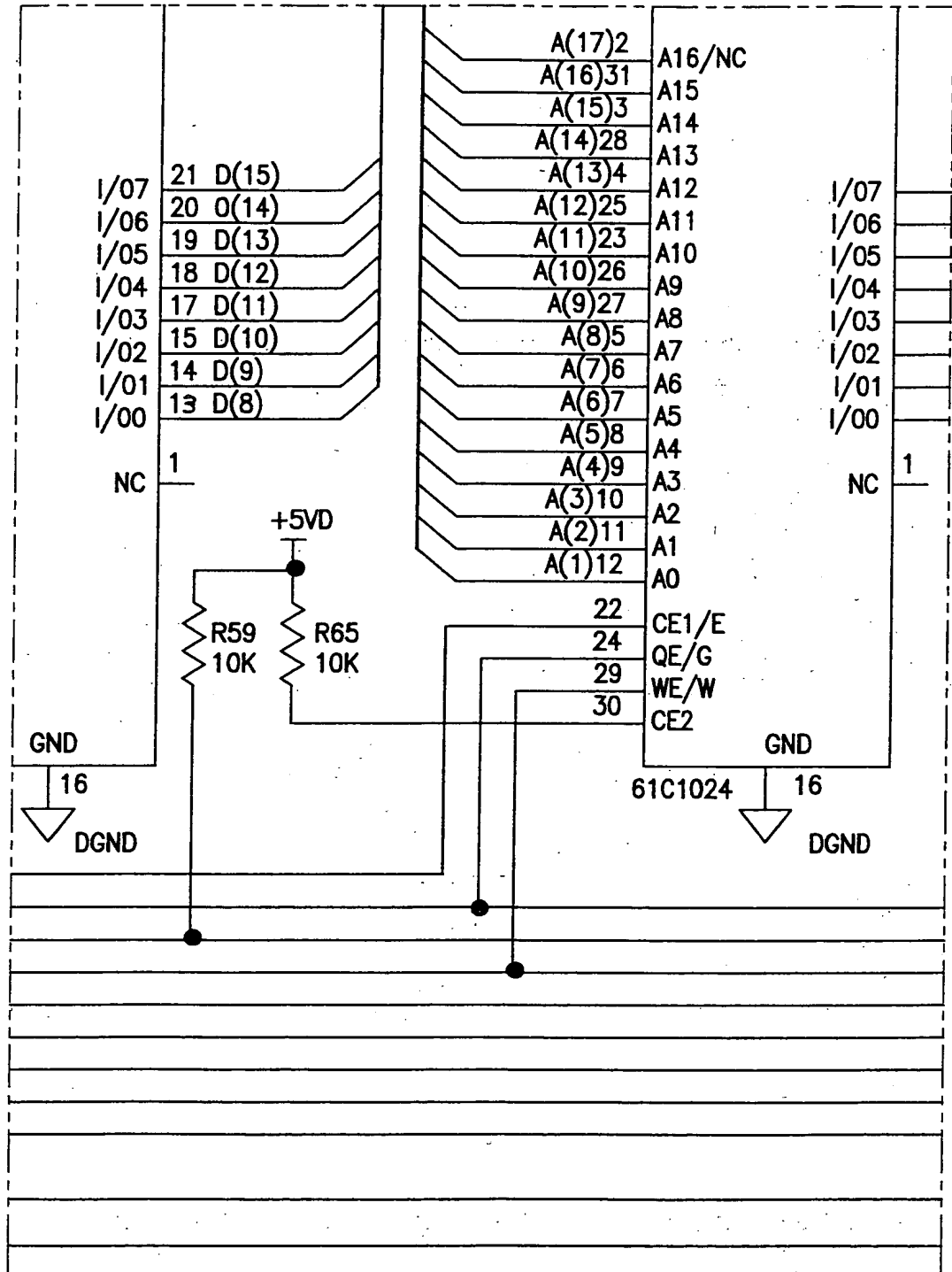


FIG. 62R

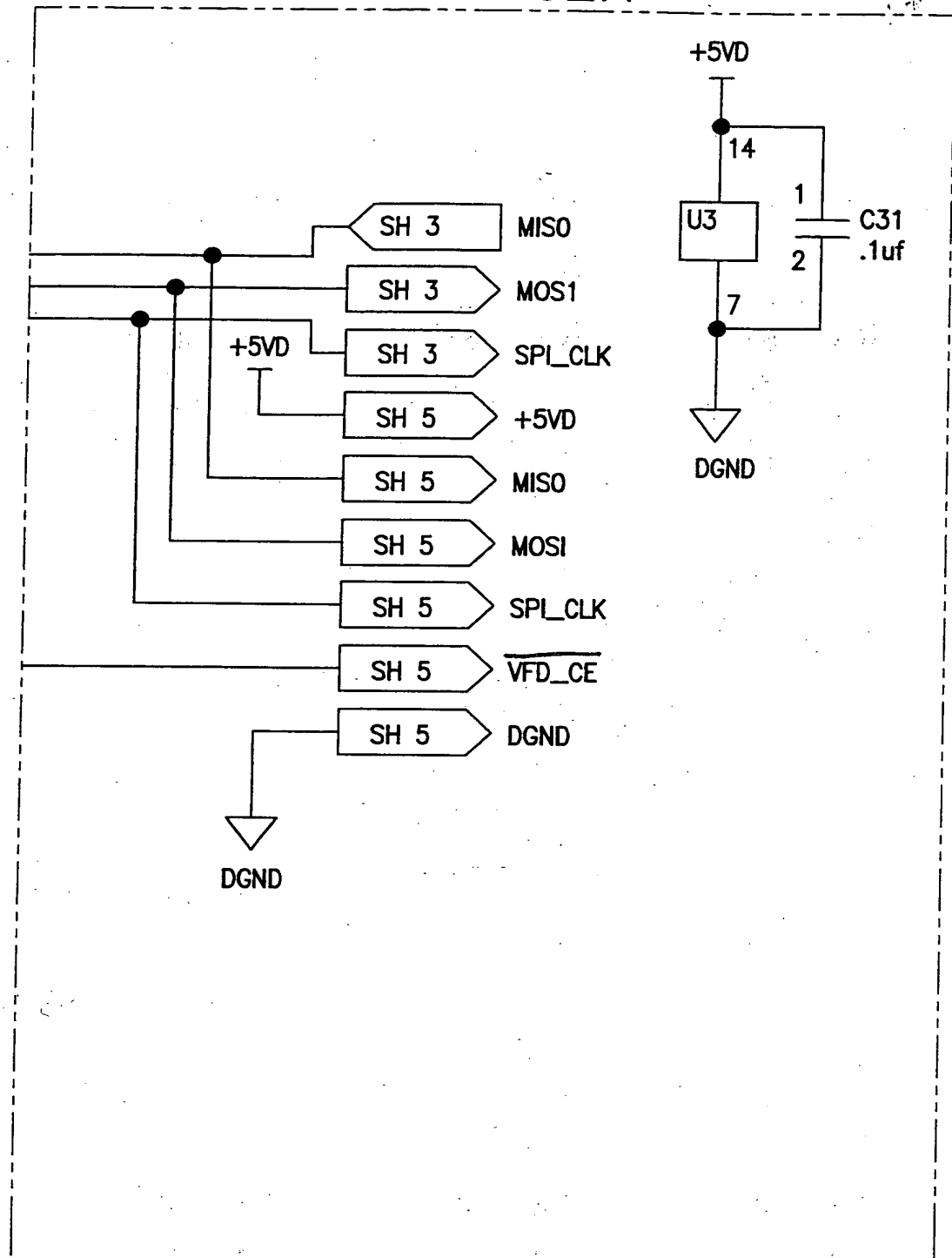
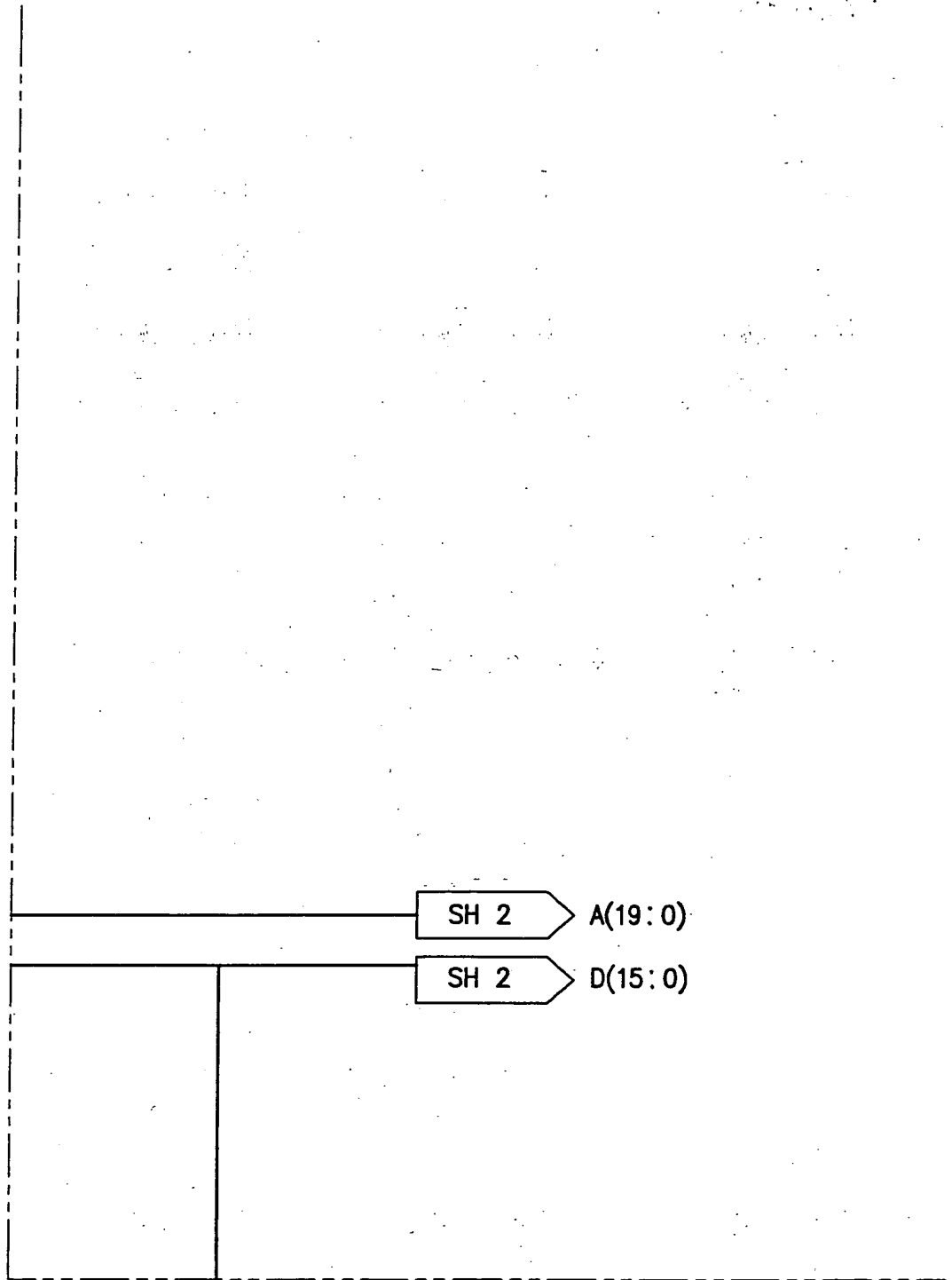


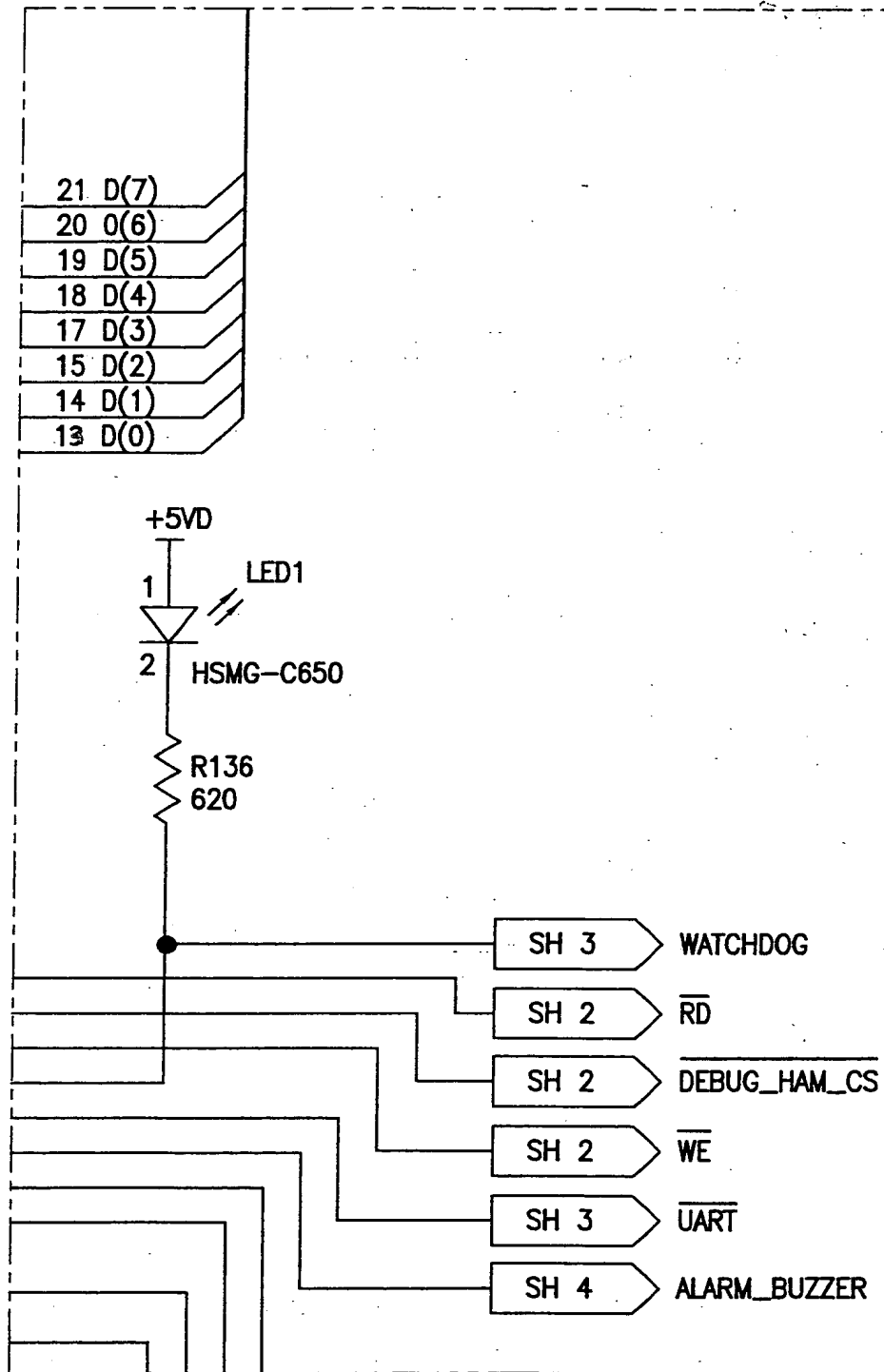
FIG. 62S



200210-2052200

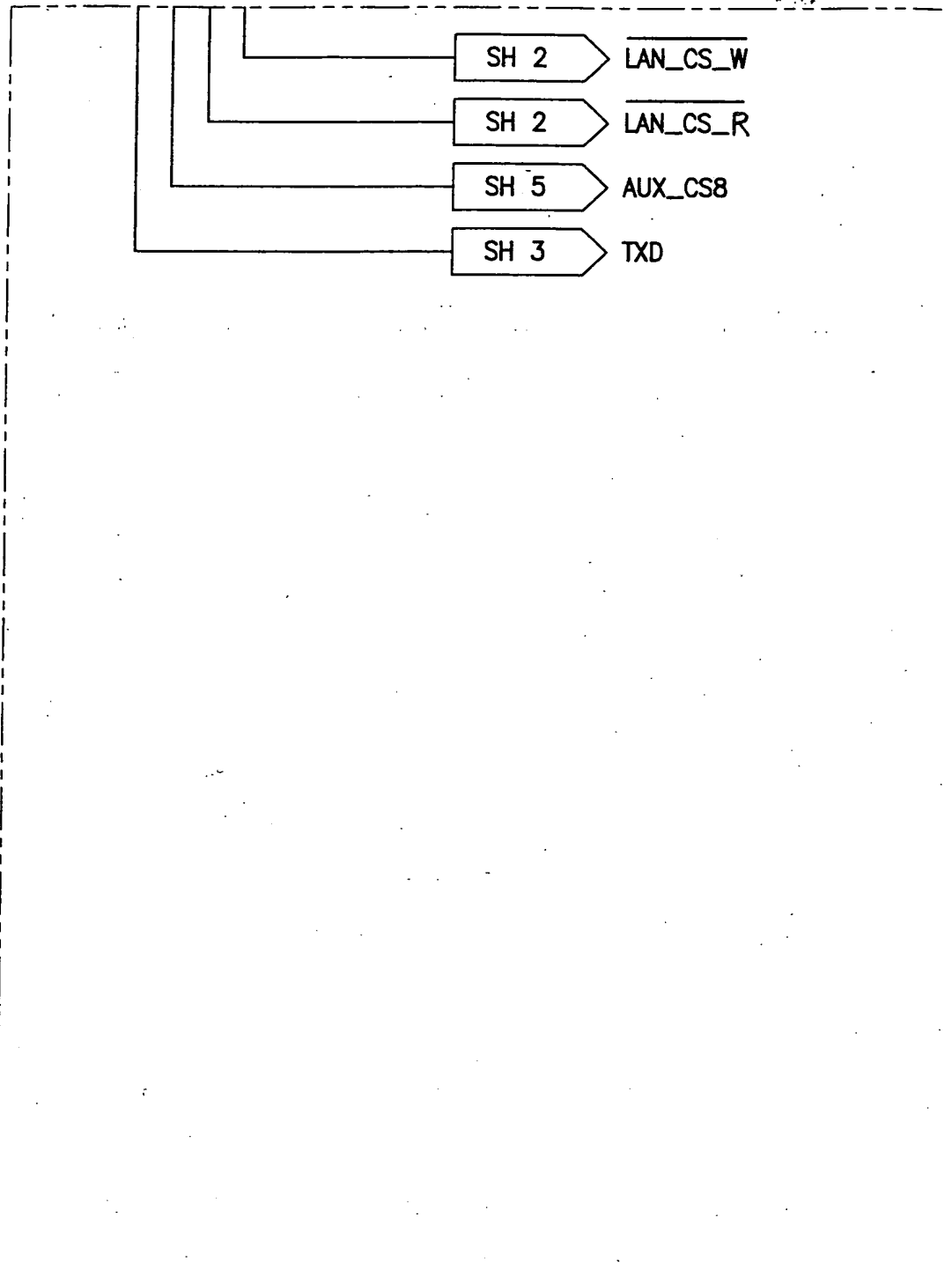


FIG. 62T



202210-20322000

FIG. 62U



200610-2052600

# FIG. 63

FIG. 63A	FIG. 63D	FIG. 63G	FIG. 63J
FIG. 63B	FIG. 63E	FIG. 63H	FIG. 63K
FIG. 63C	FIG. 63F	FIG. 63I	FIG. 63L

FIG. 63

FIG. 63A

D[15:0] SH 1

A[19:0] SH 1

DEBUG\_RAM\_CS SH 1

$\overline{\text{WE}}$  SH 1

$\overline{\text{RD}}$  SH 1

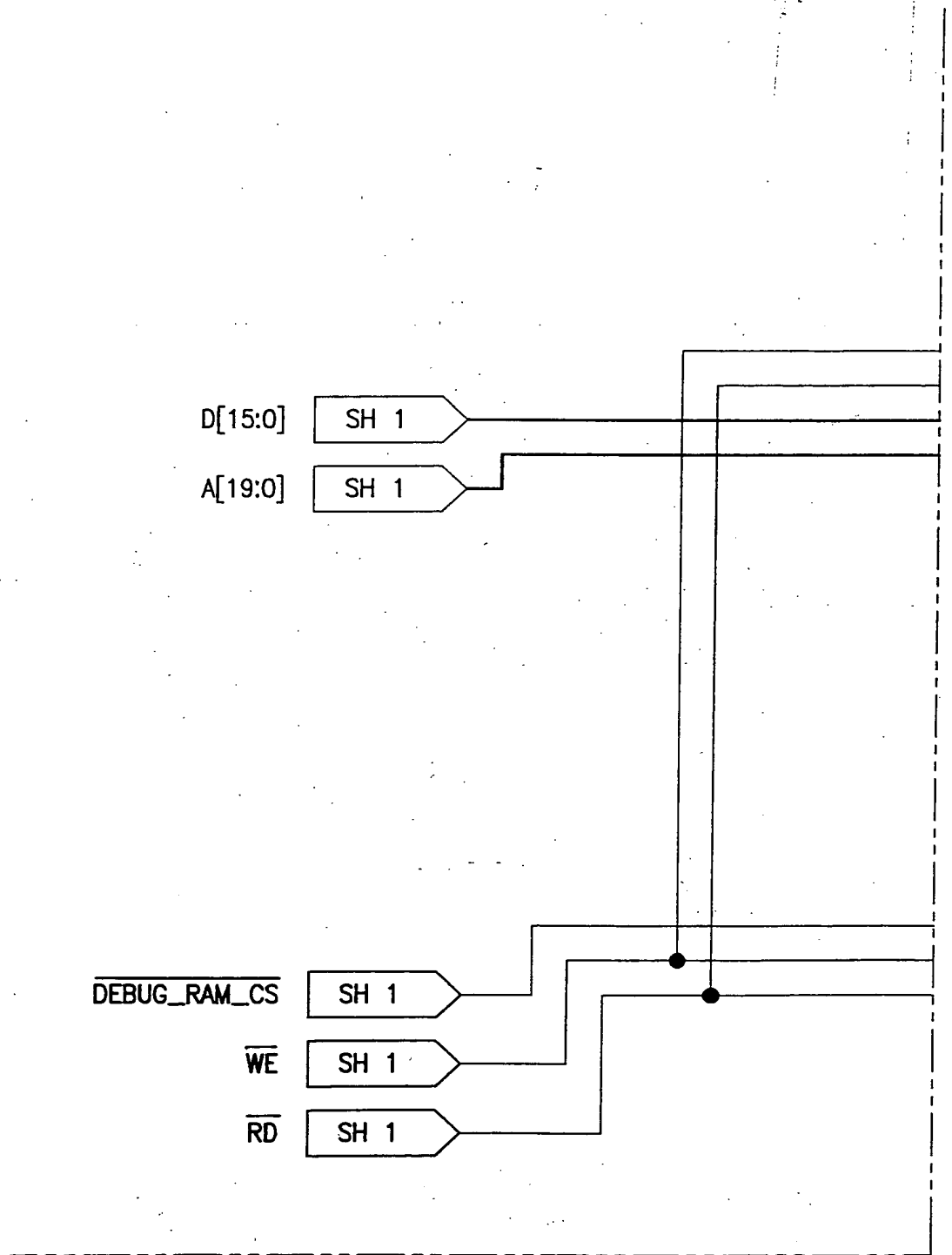


FIG. 63B

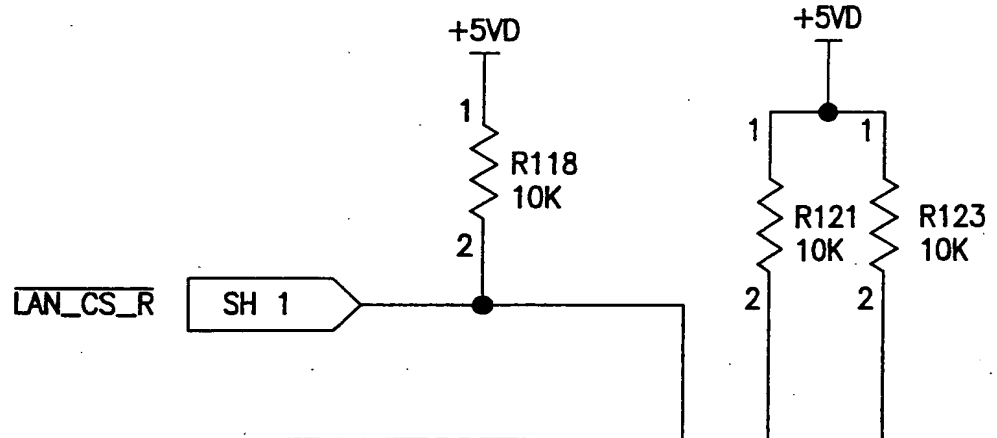
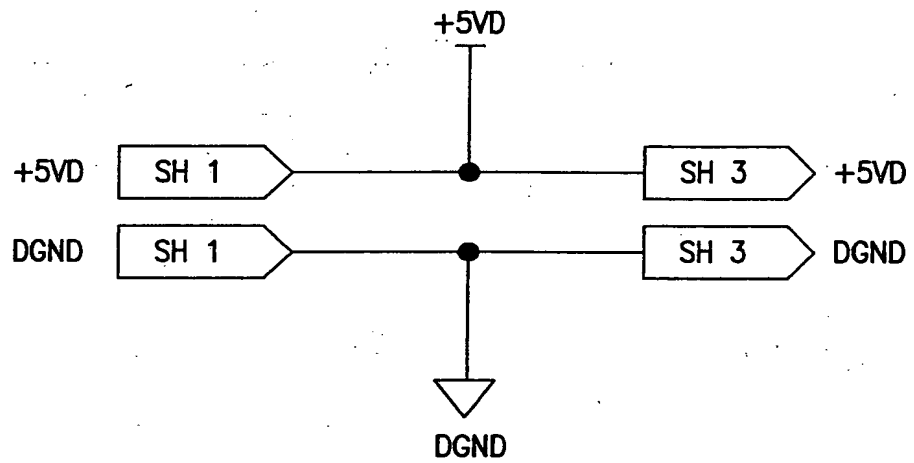
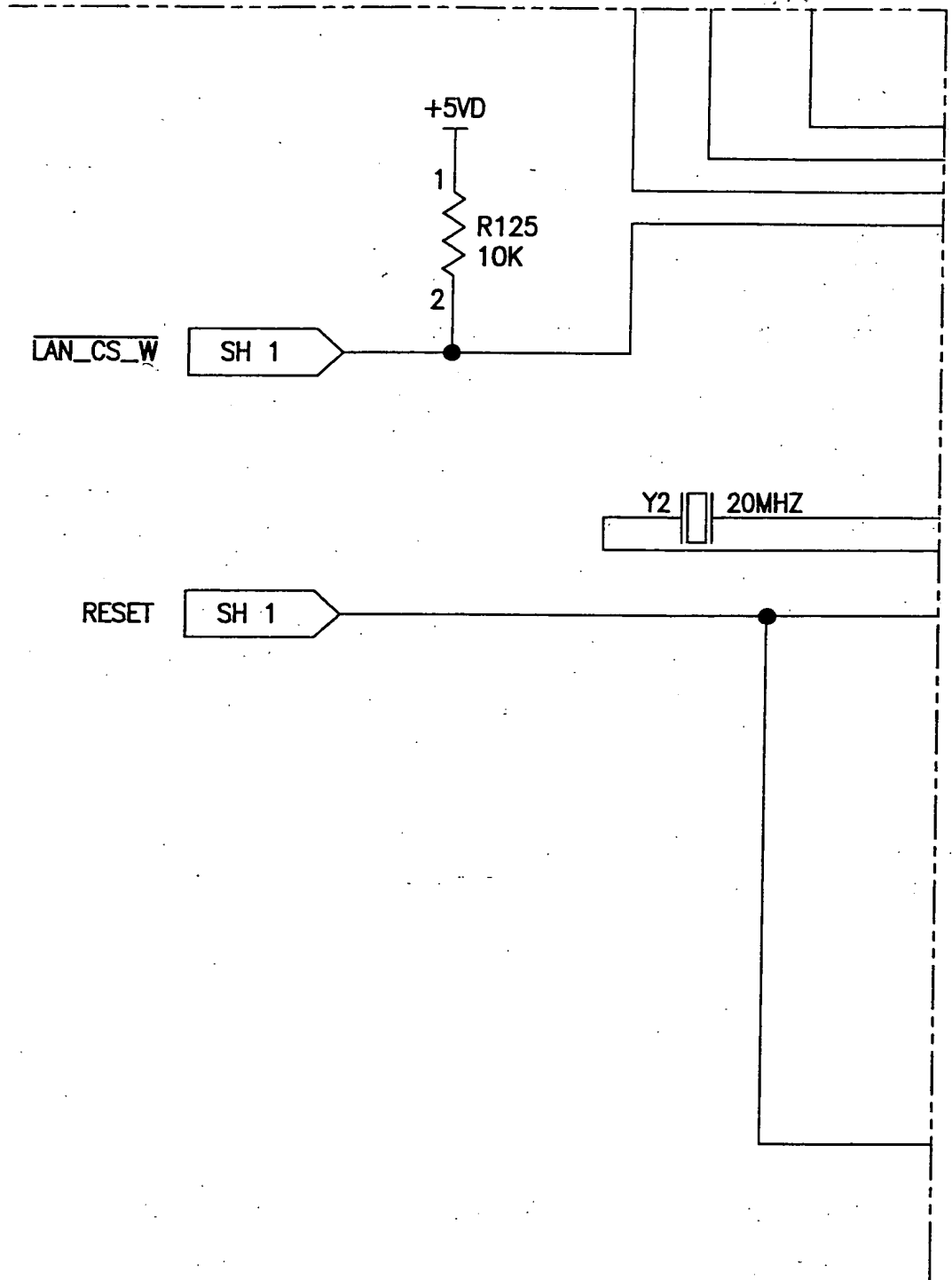


FIG. 63C



00000000 00000000

[illegible][illegible]

FIG. 63E

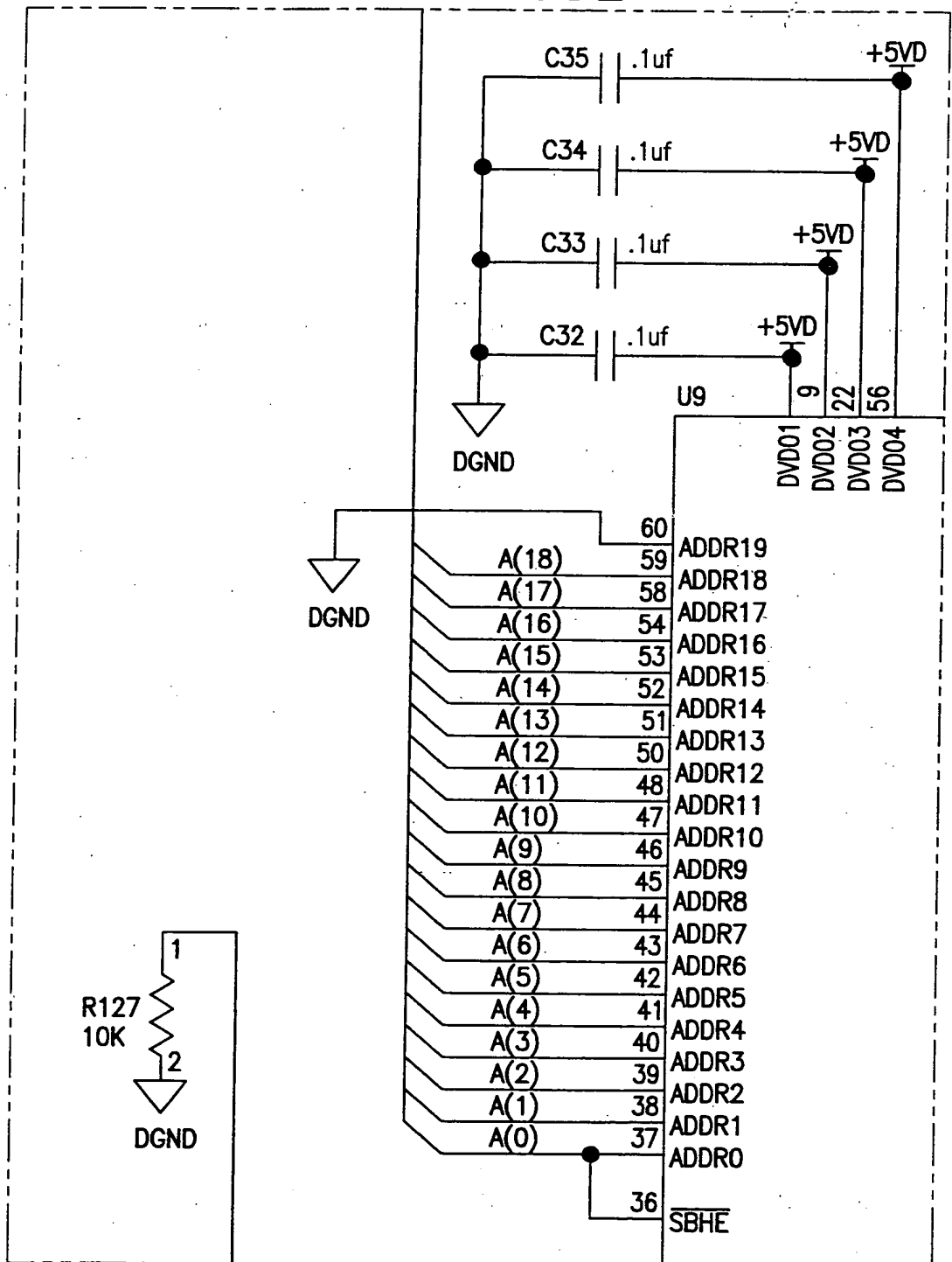




FIG. 63F

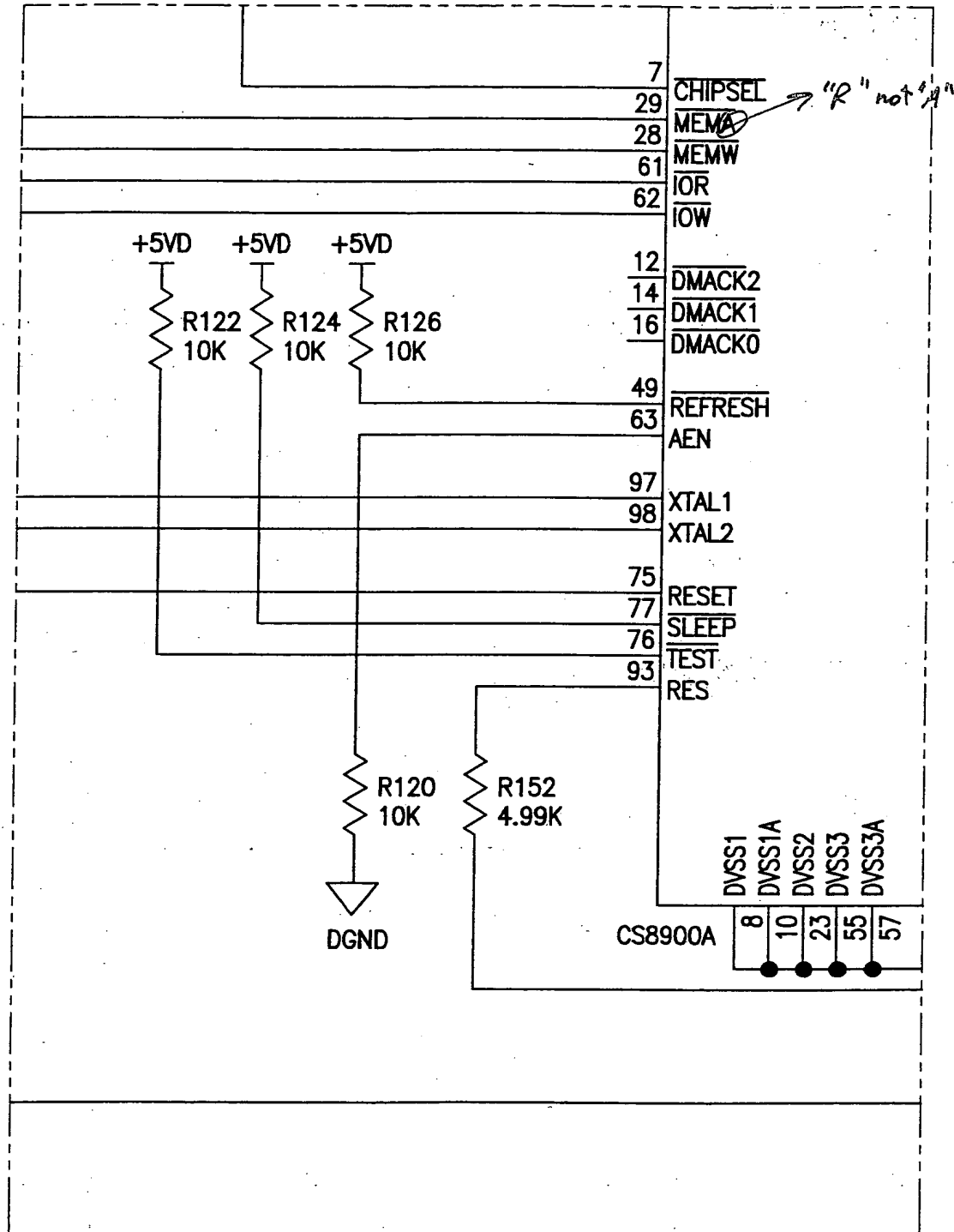


FIG. 63G

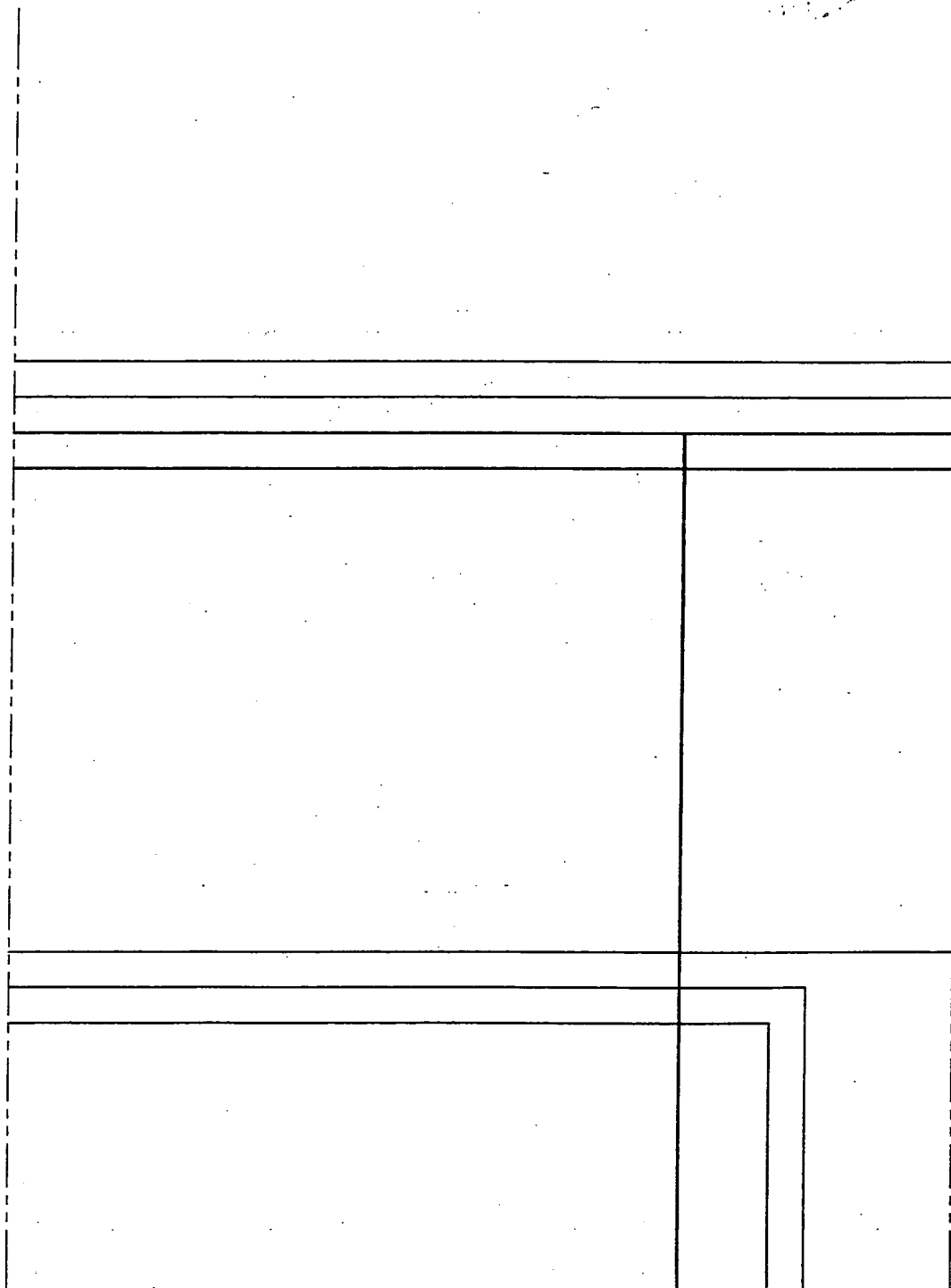
[illegible]

FIG. 63H

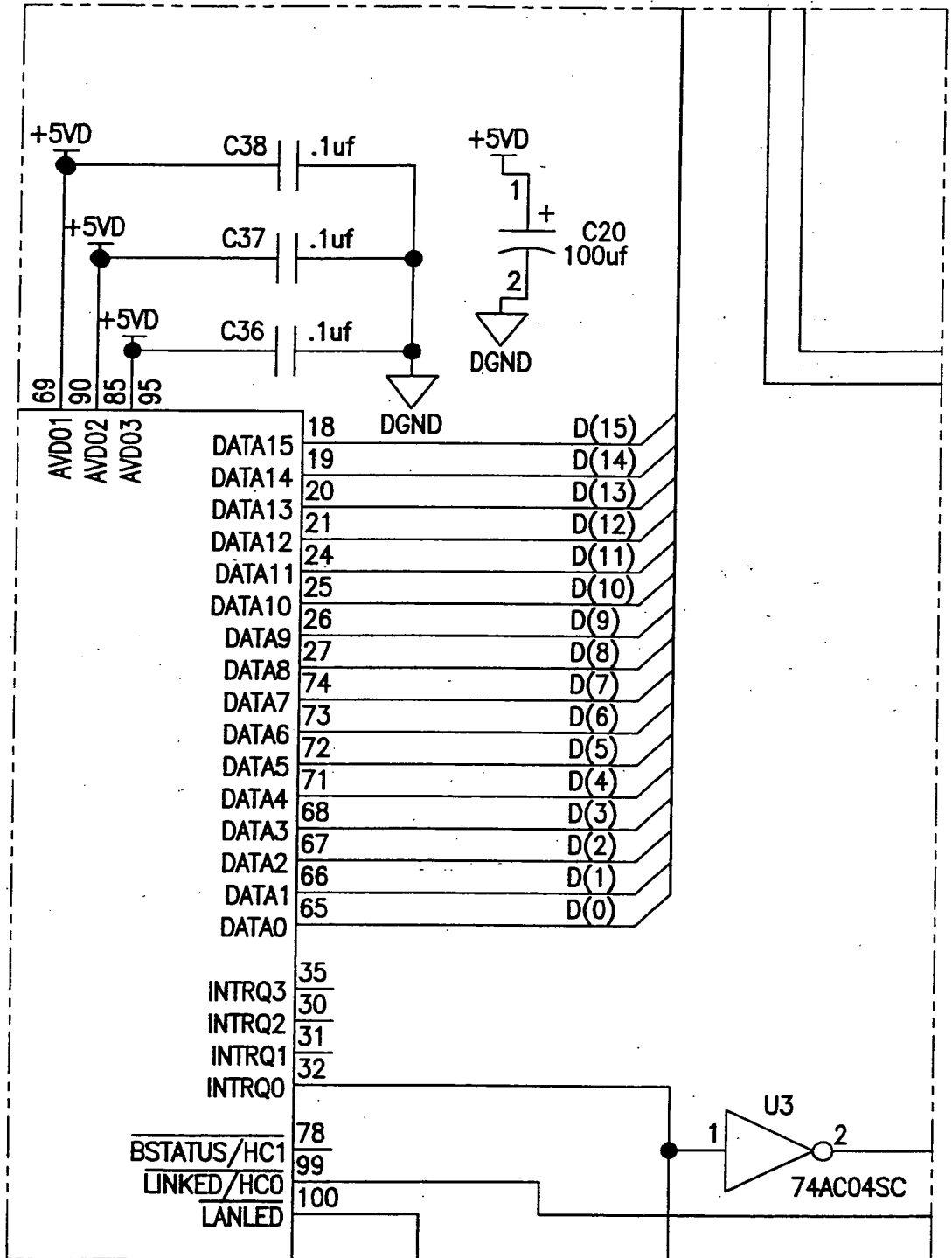


FIG. 63I

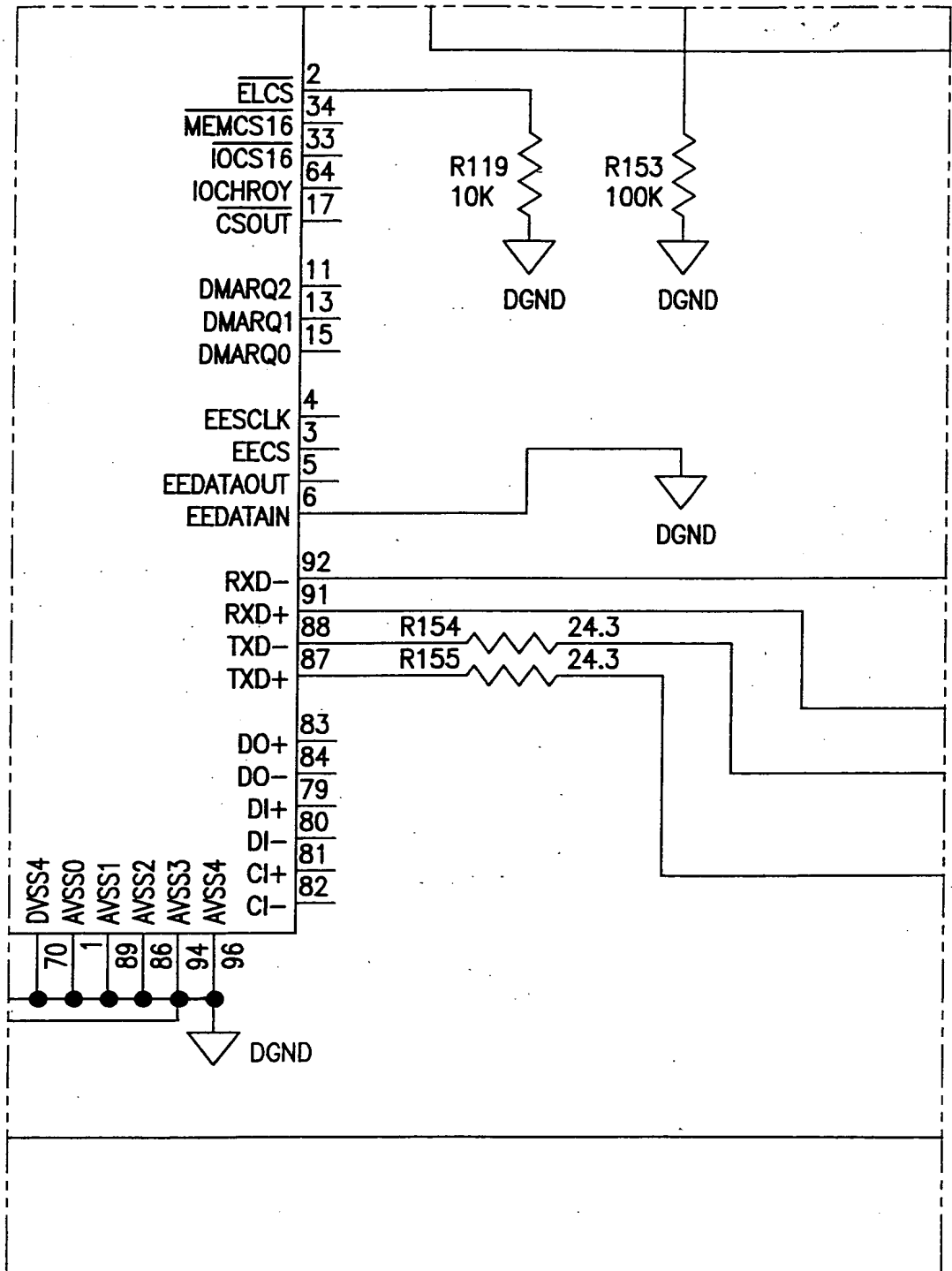
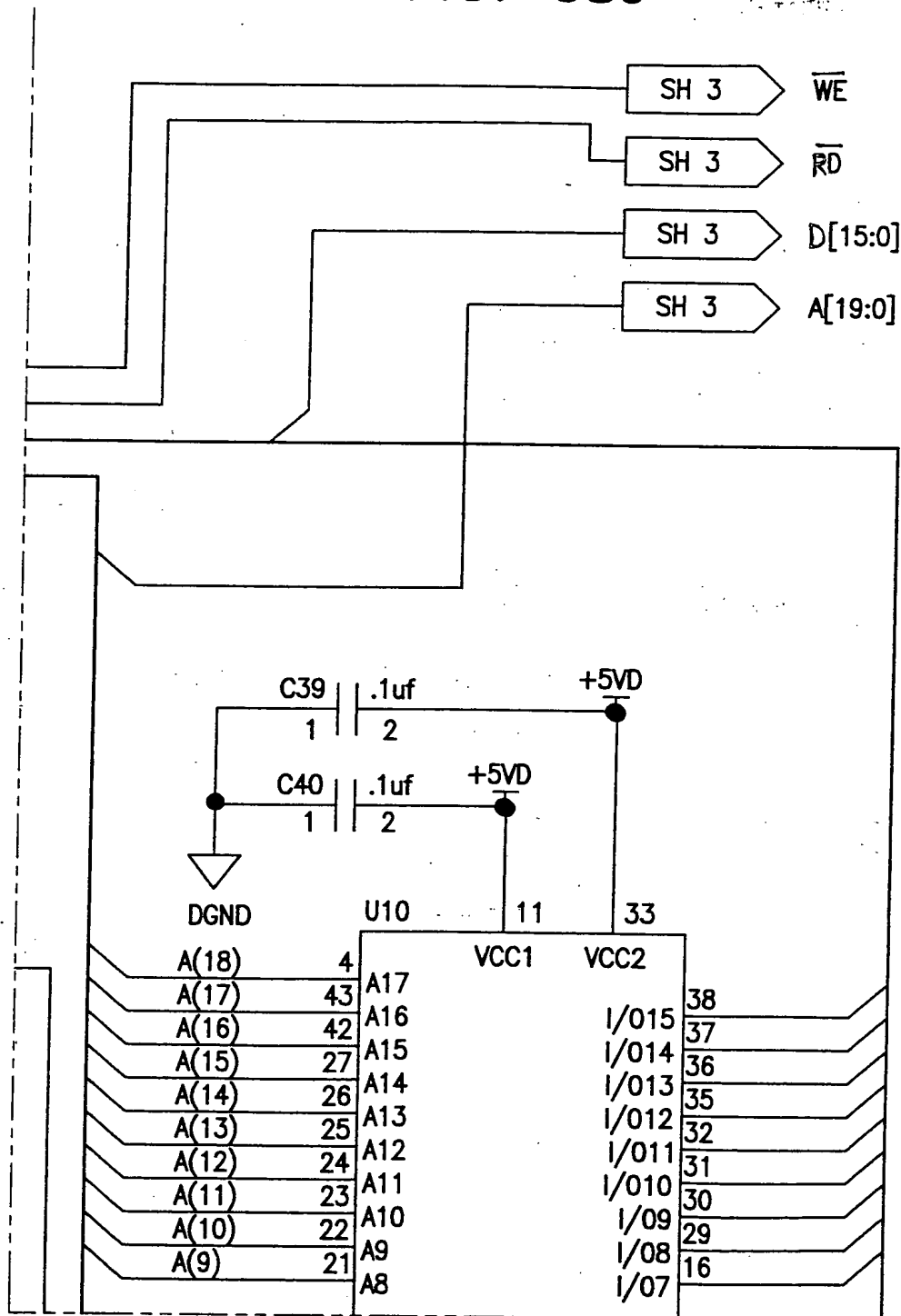
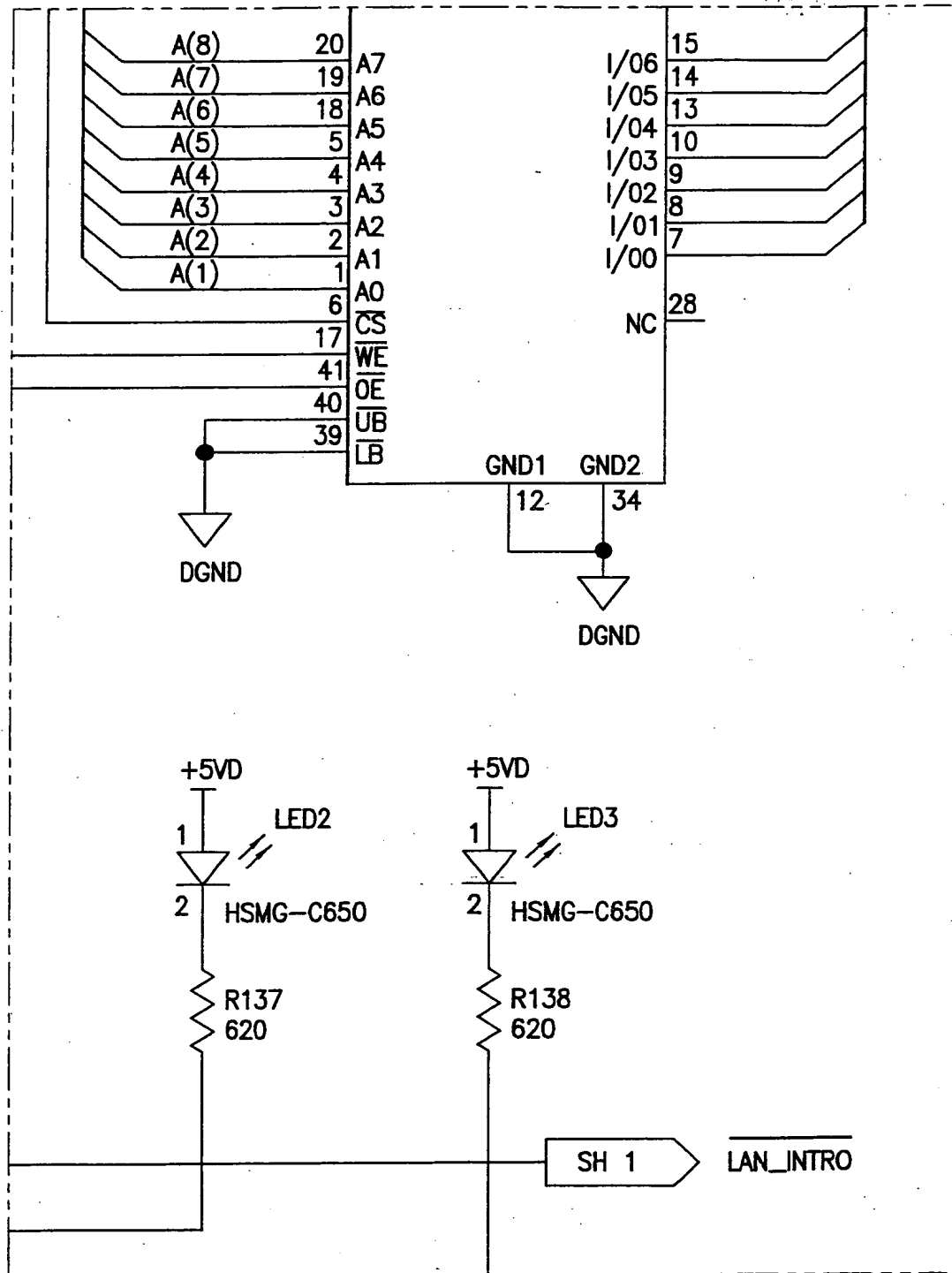


FIG. 63J



2025-03-20 10:00:00

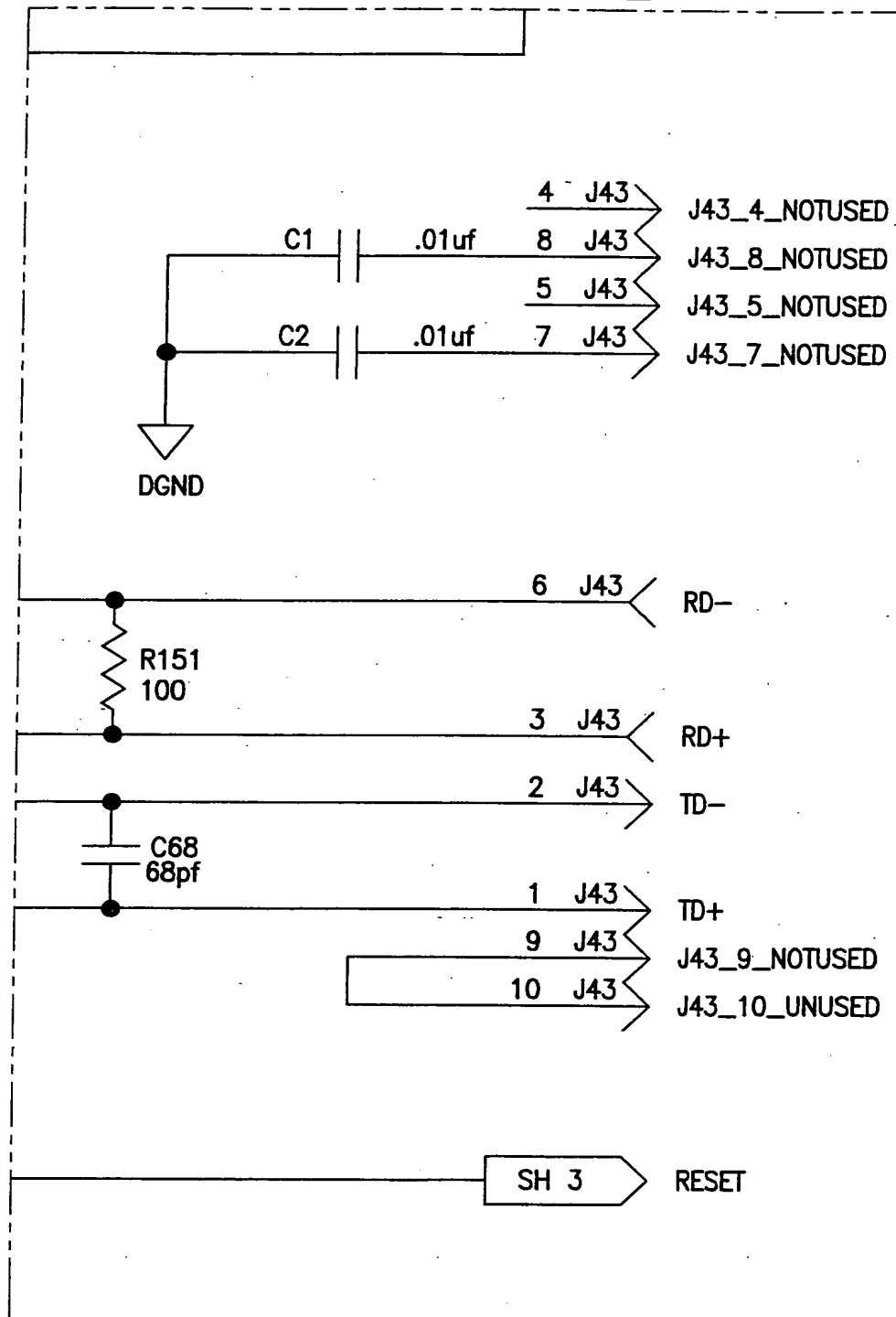
FIG. 63K



00000000-040000

205270-2052600

FIG. 63L



# FIG. 64

FIG. 64A	FIG. 64D	FIG. 64G	FIG. 64J	FIG. 64M	FIG. 64P
FIG. 64B	FIG. 64E	FIG. 64H	FIG. 64K	FIG. 64N	FIG. 64Q
FIG. 64C	FIG. 64F	FIG. 64I	FIG. 64L	FIG. 64O	

FIG. 64



FIG. 64A

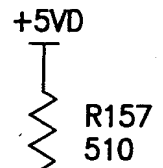
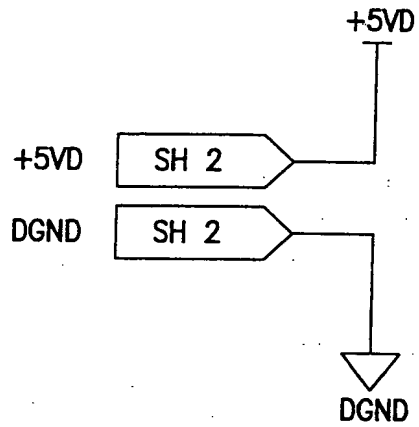
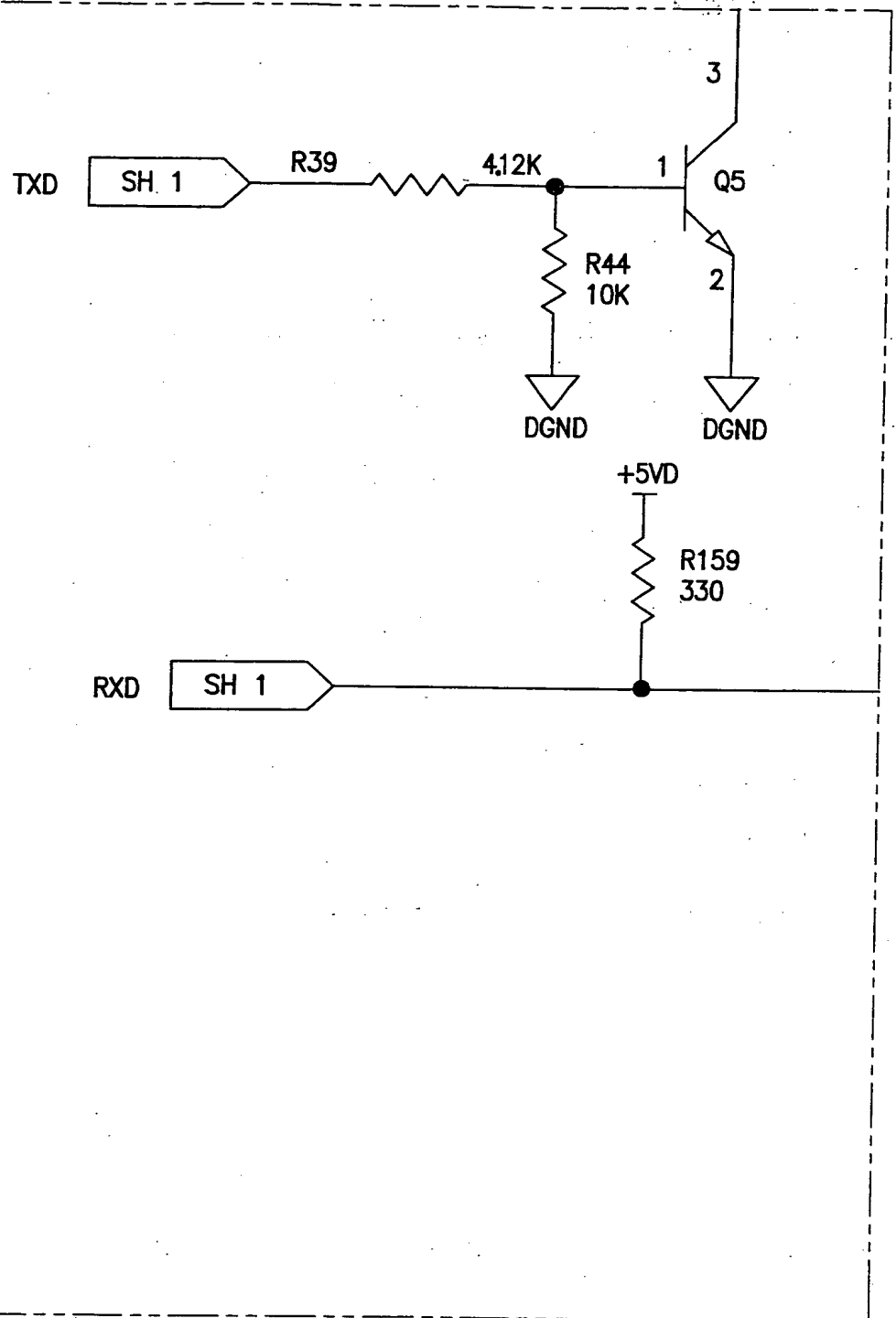
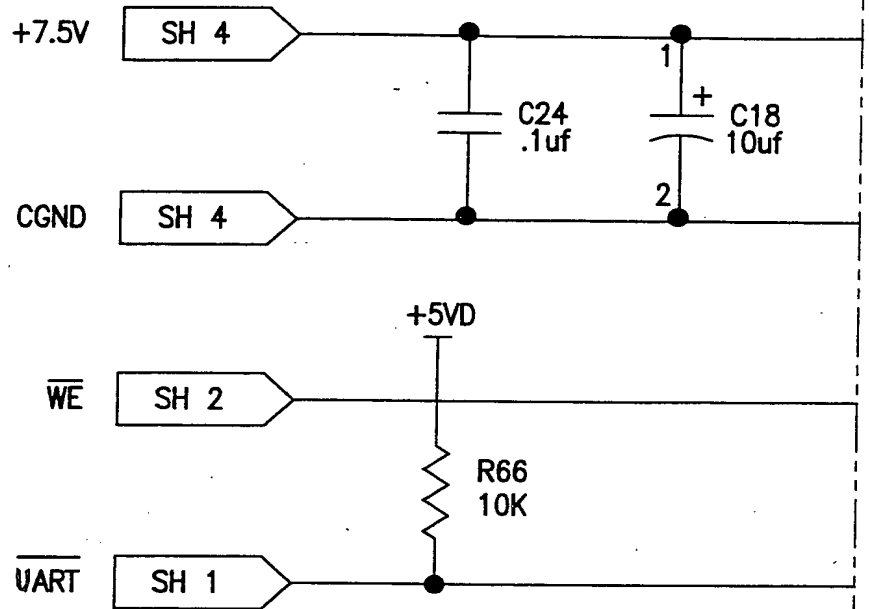


FIG. 64B



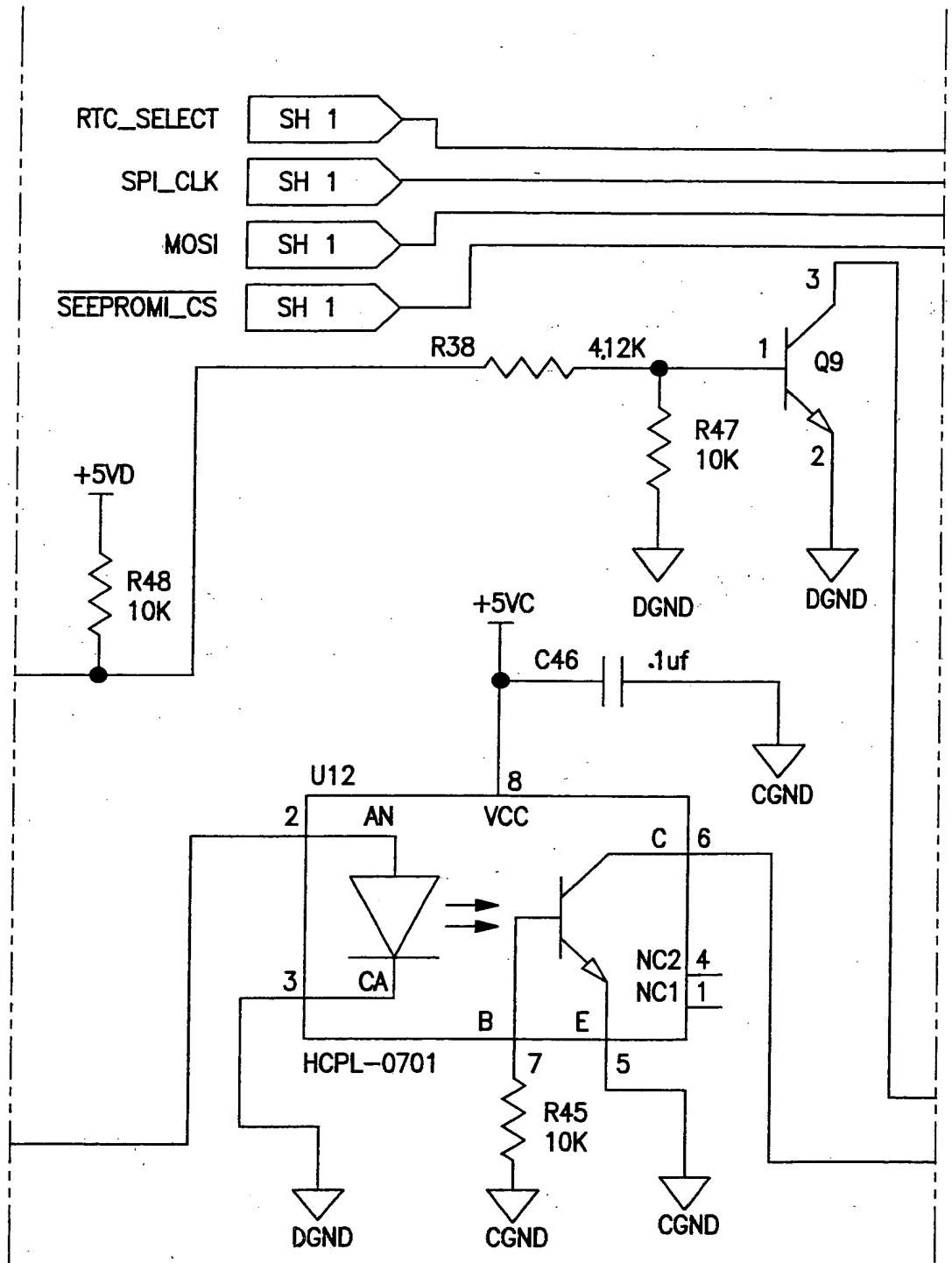
202501:20522660

FIG. 64C



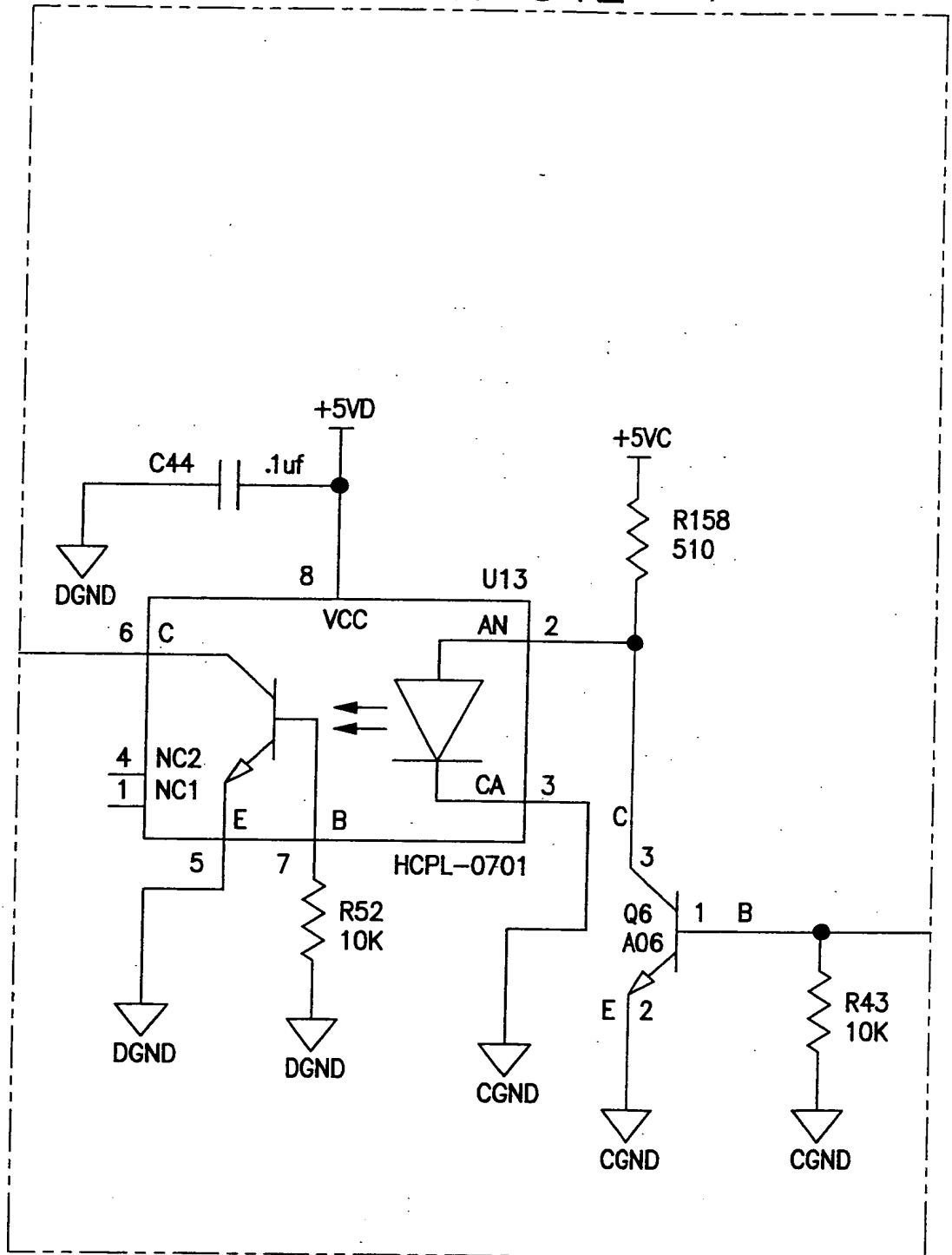
2025-01-20 10:00:00

FIG. 64D



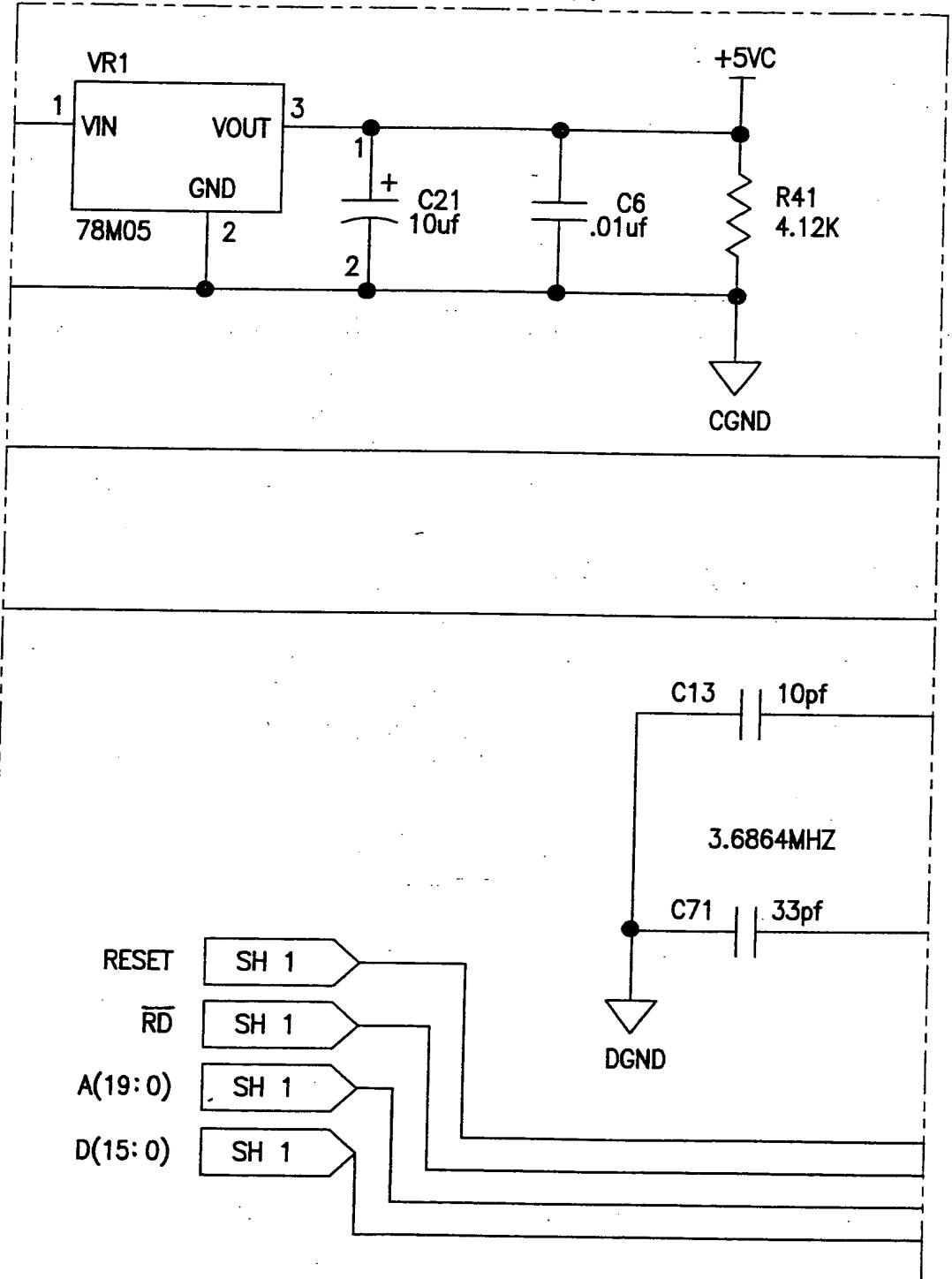
20030701-20030701

FIG. 64E



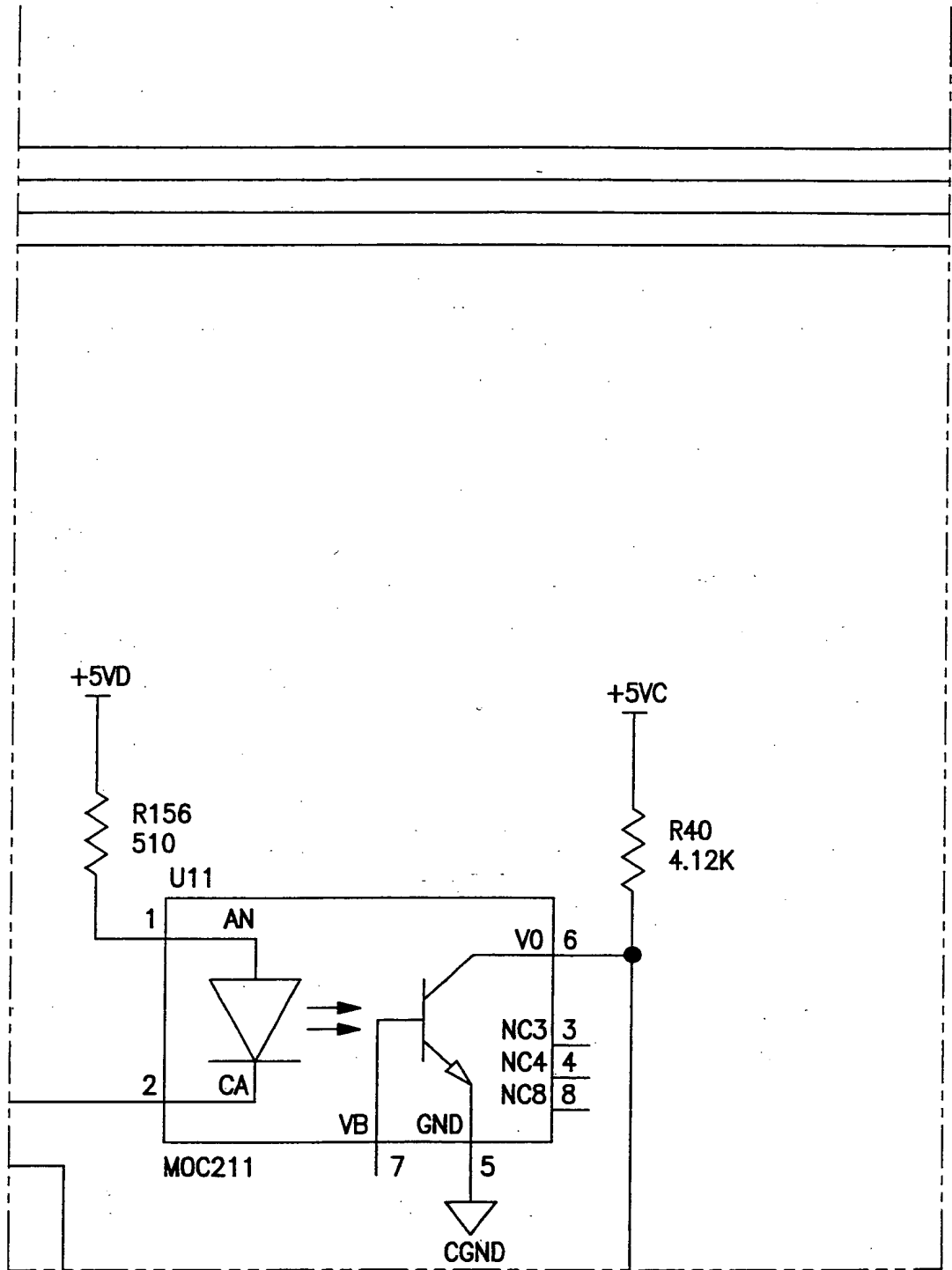
000000-01000

FIG. 64F



2022-05-20 20:22:00

FIG. 64G



000000-010000

200270-20522600

FIG. 64H

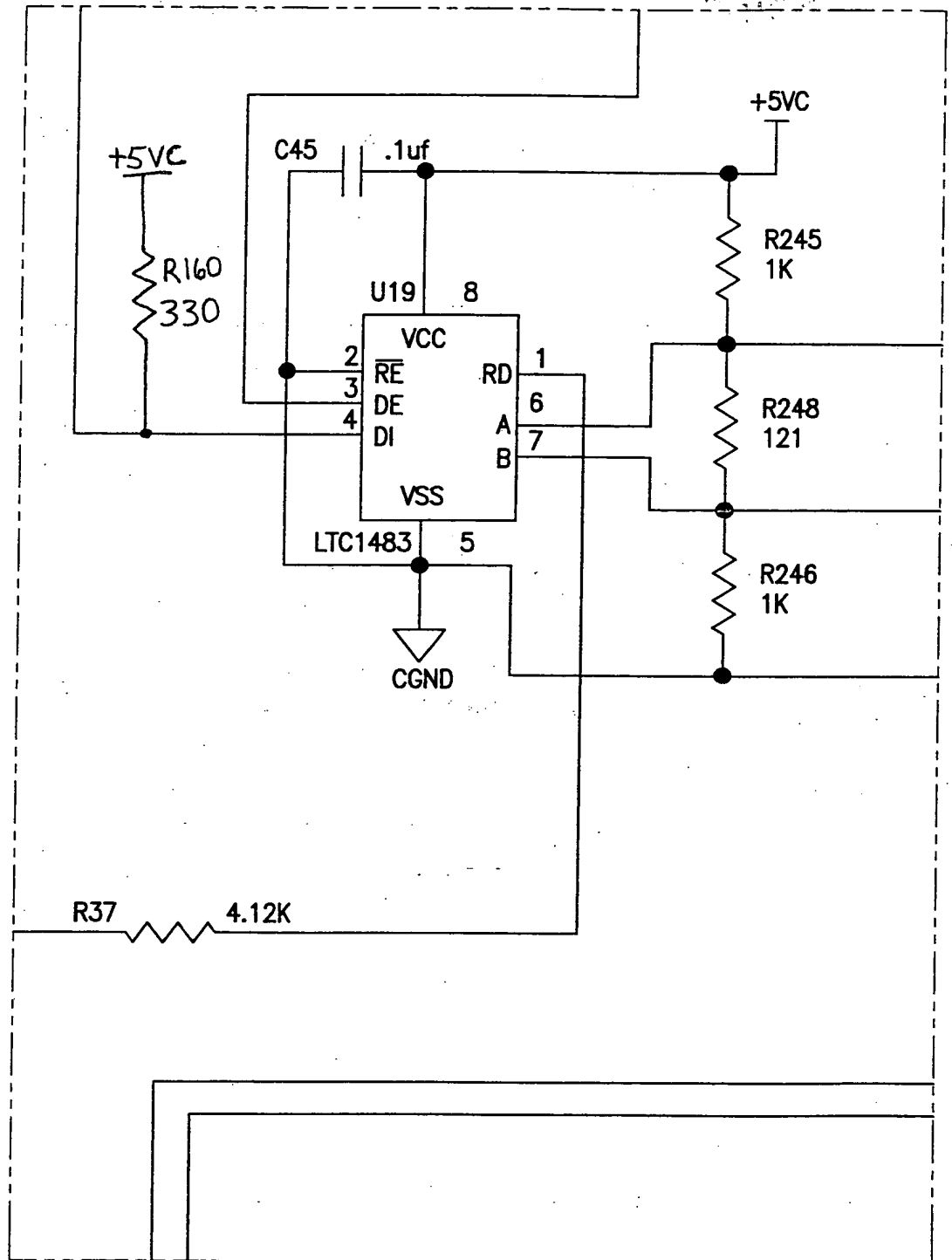
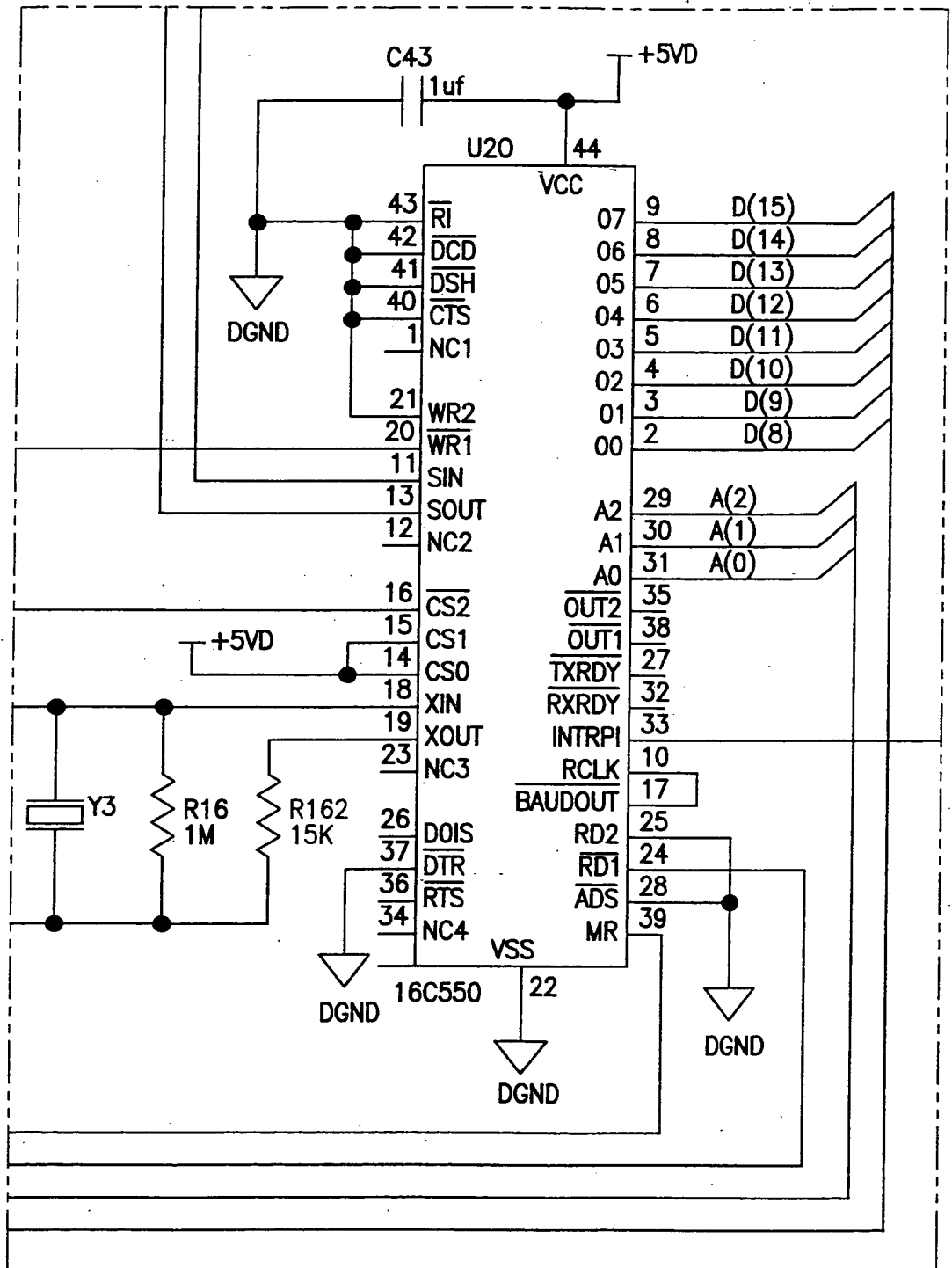


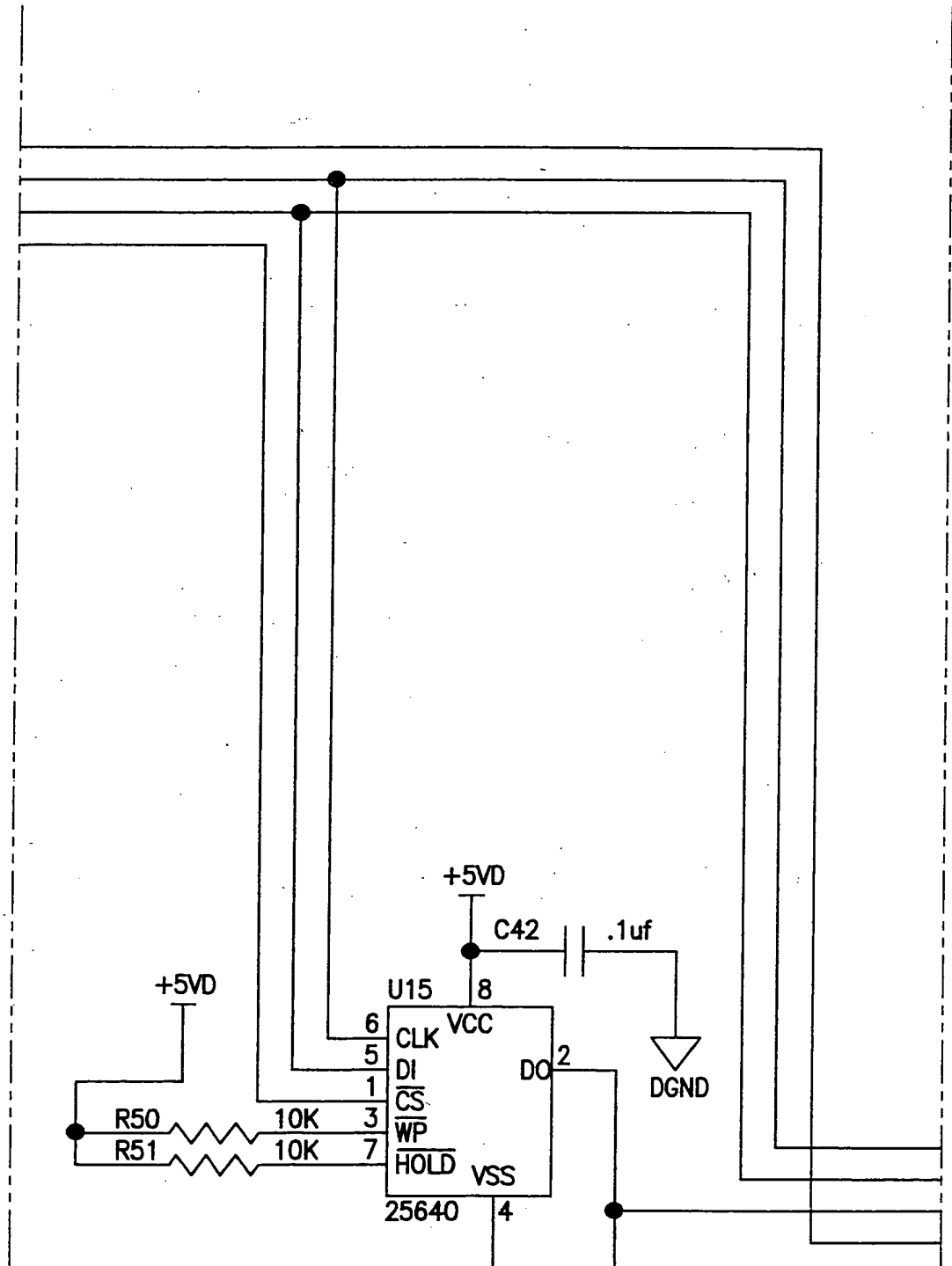


FIG. 64I



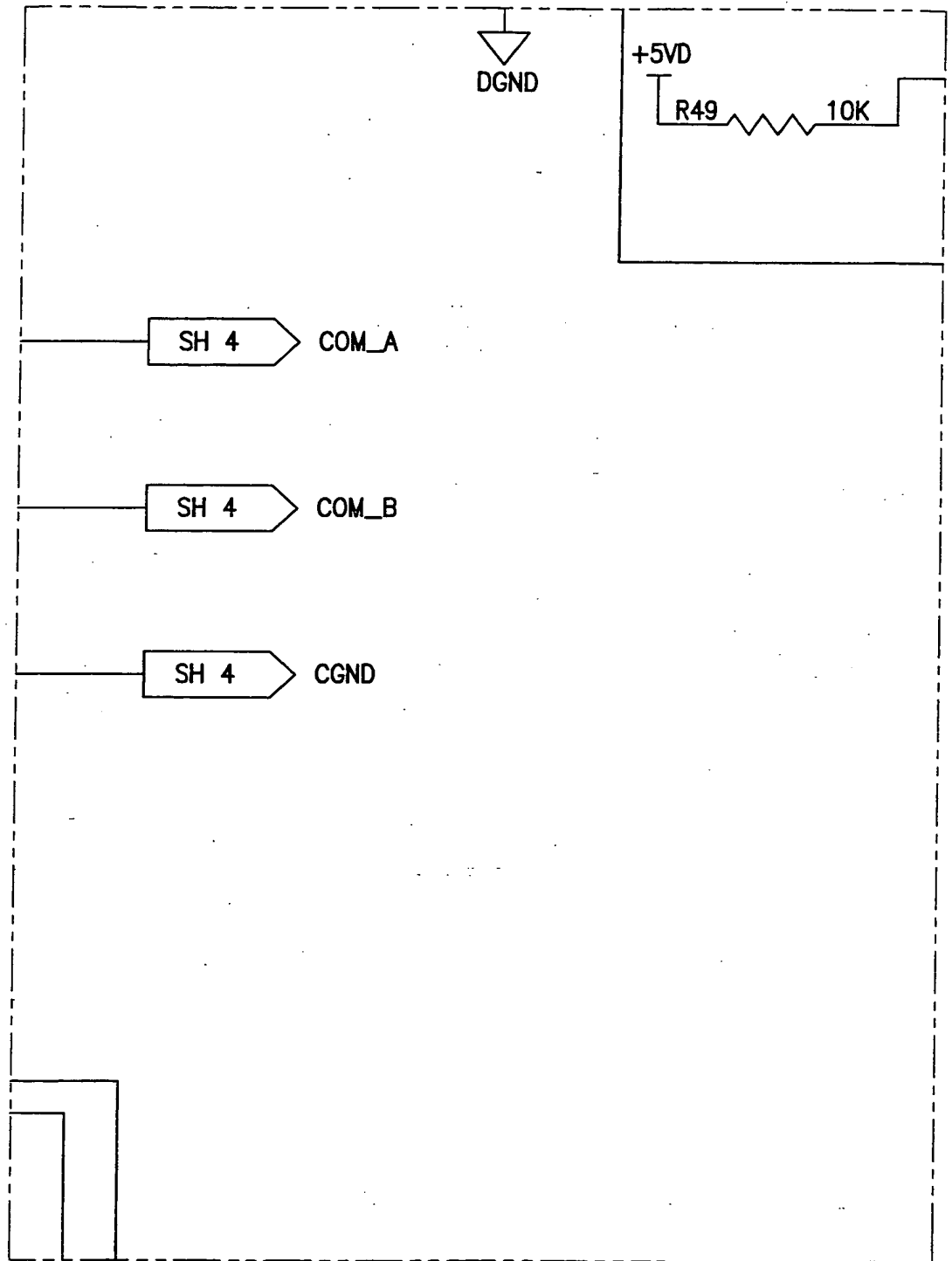
000000-04000

FIG. 64J



200210-203E600

FIG. 64K



000000-01000

FIG. 64L

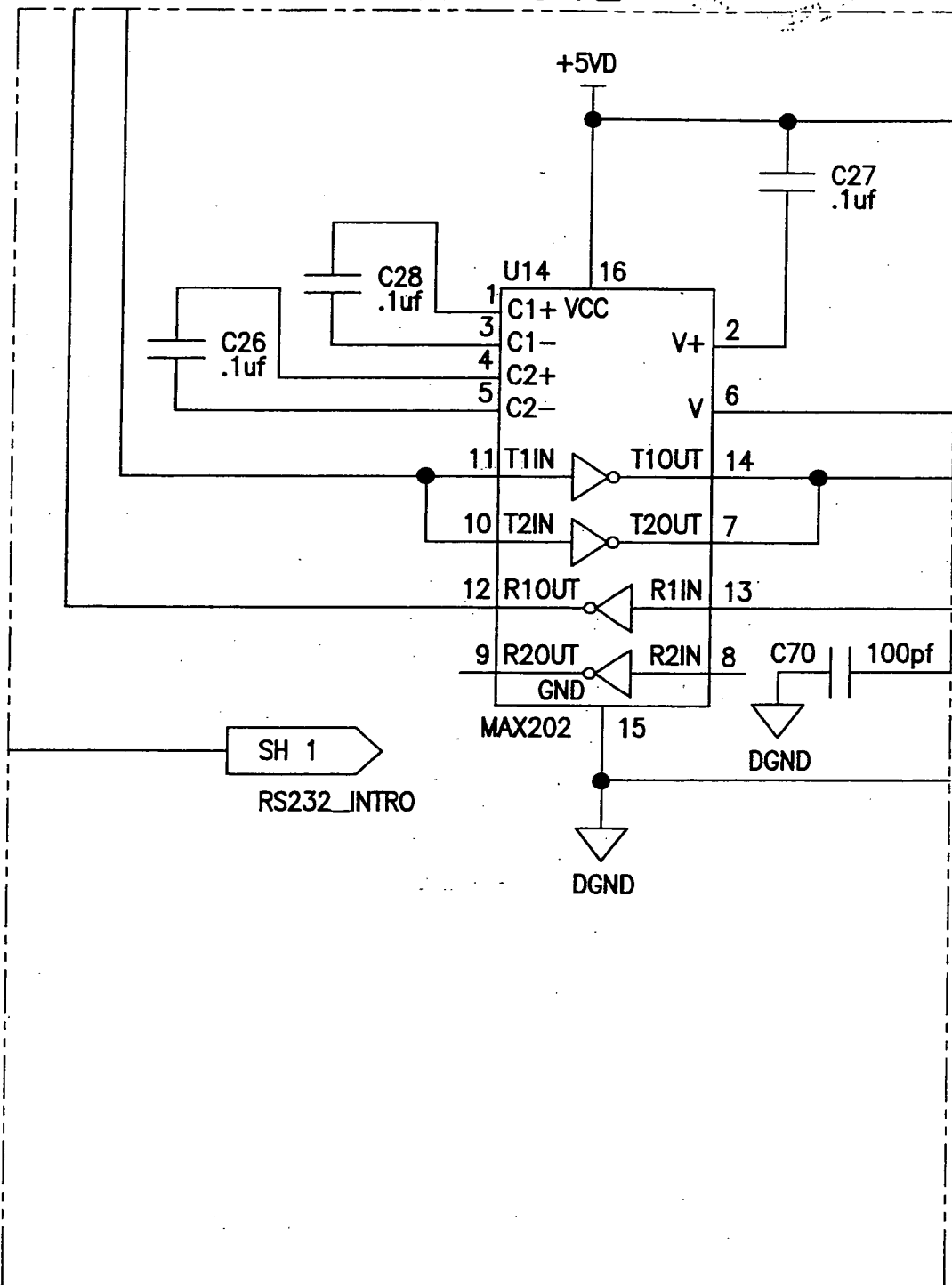
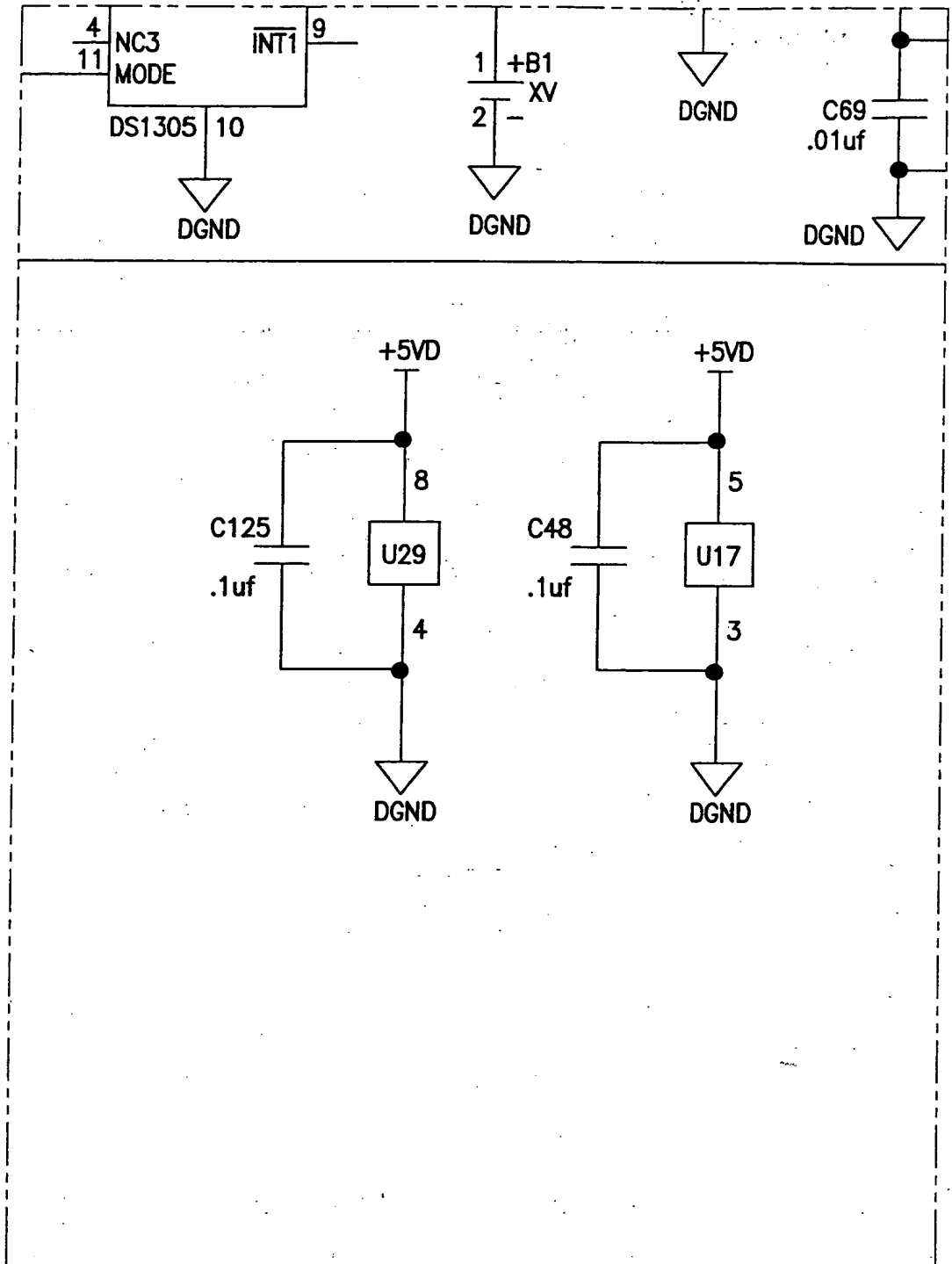
[illegible]

FIG. 64N



000350-01200

FIG. 64M

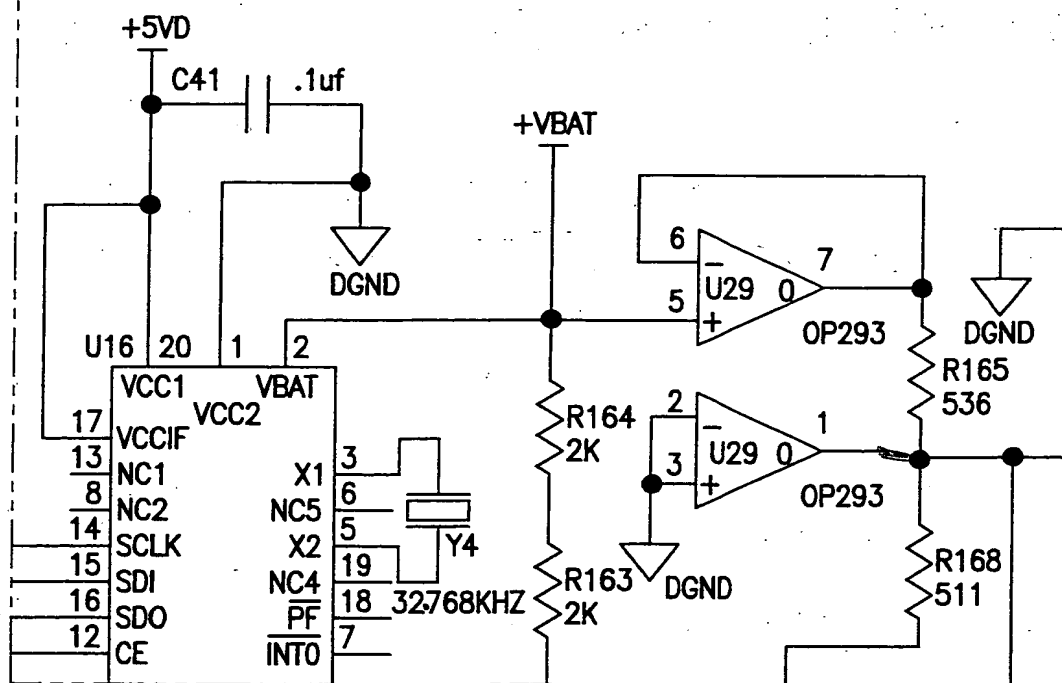
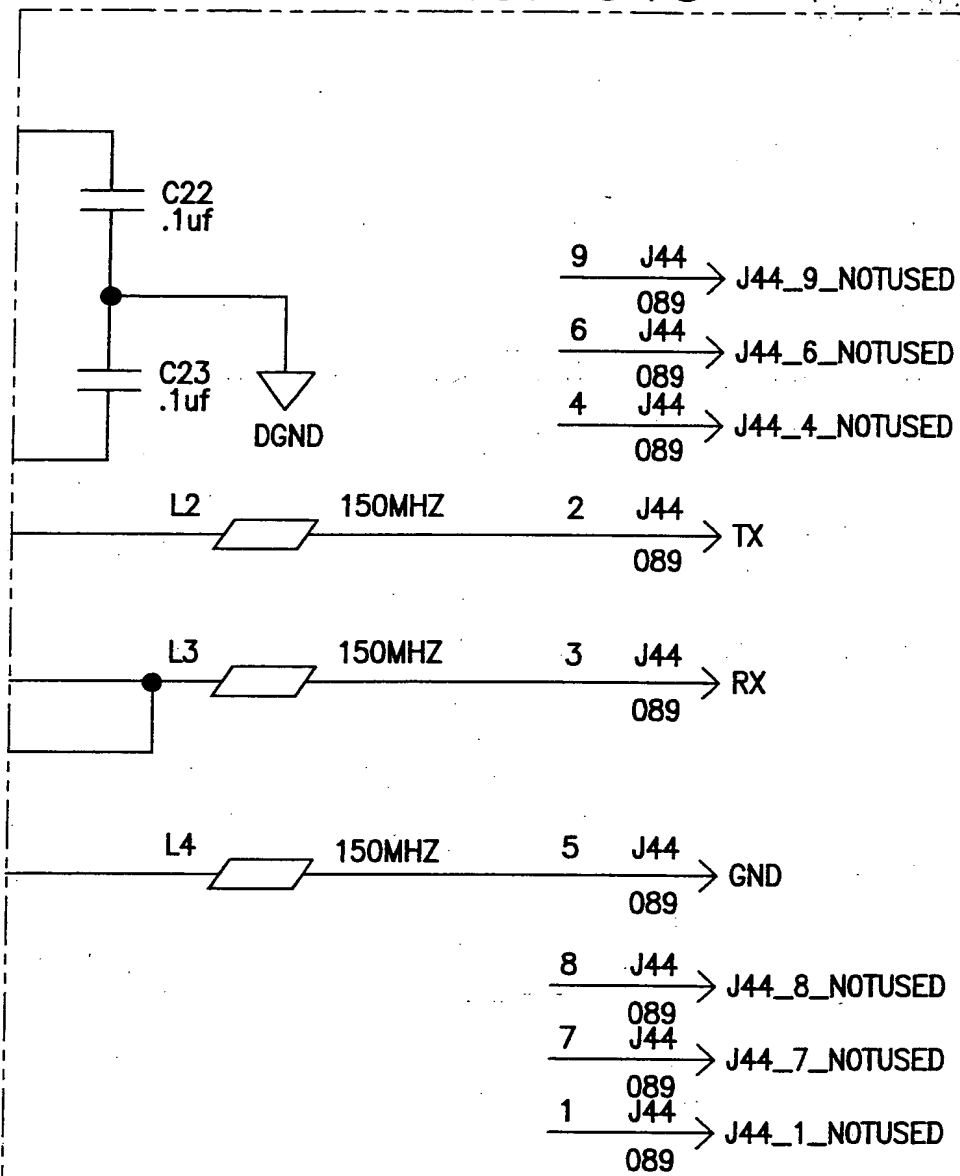
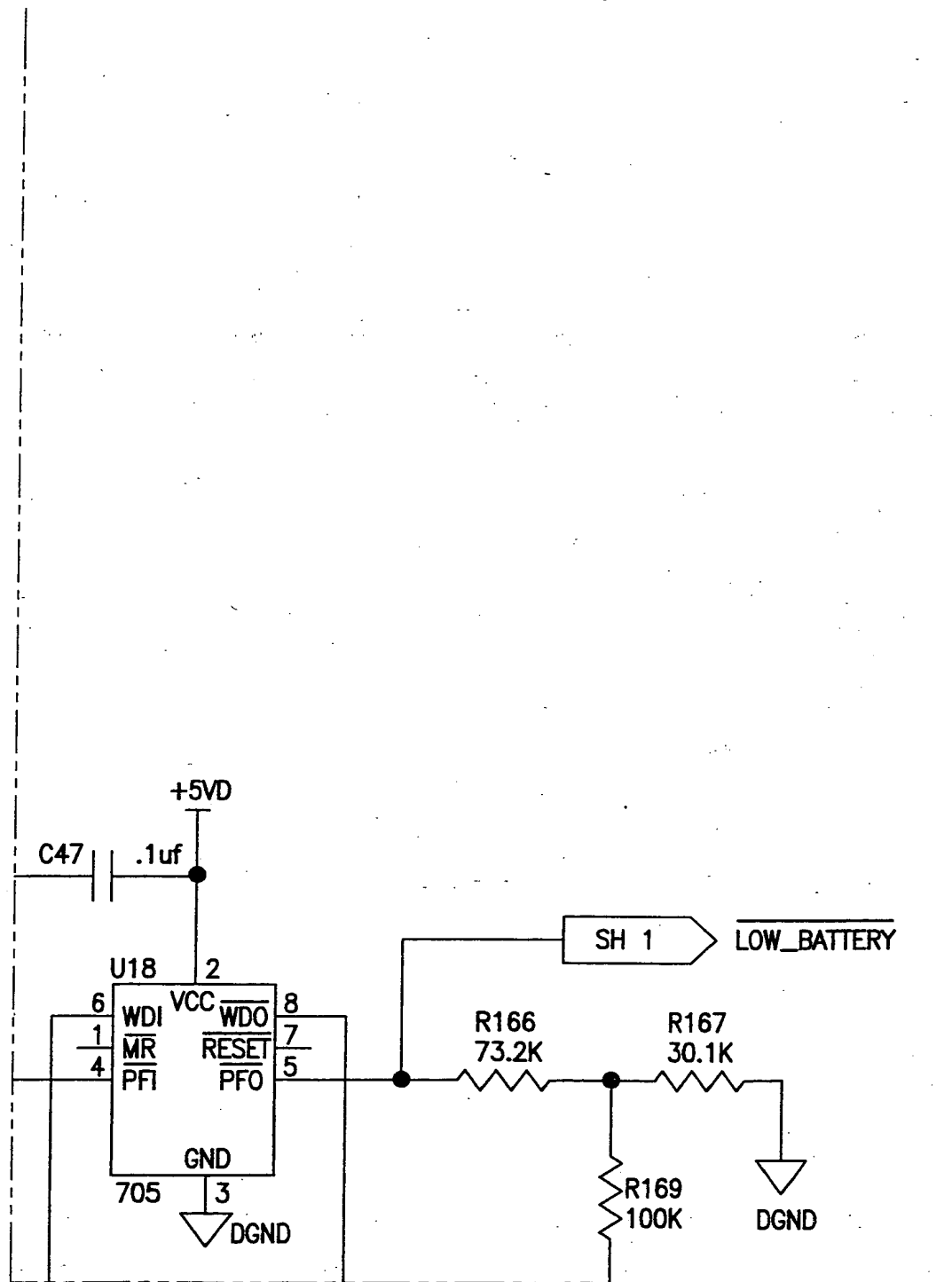


FIG. 640



00031503-010003

[illegible]



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FIG. 64Q

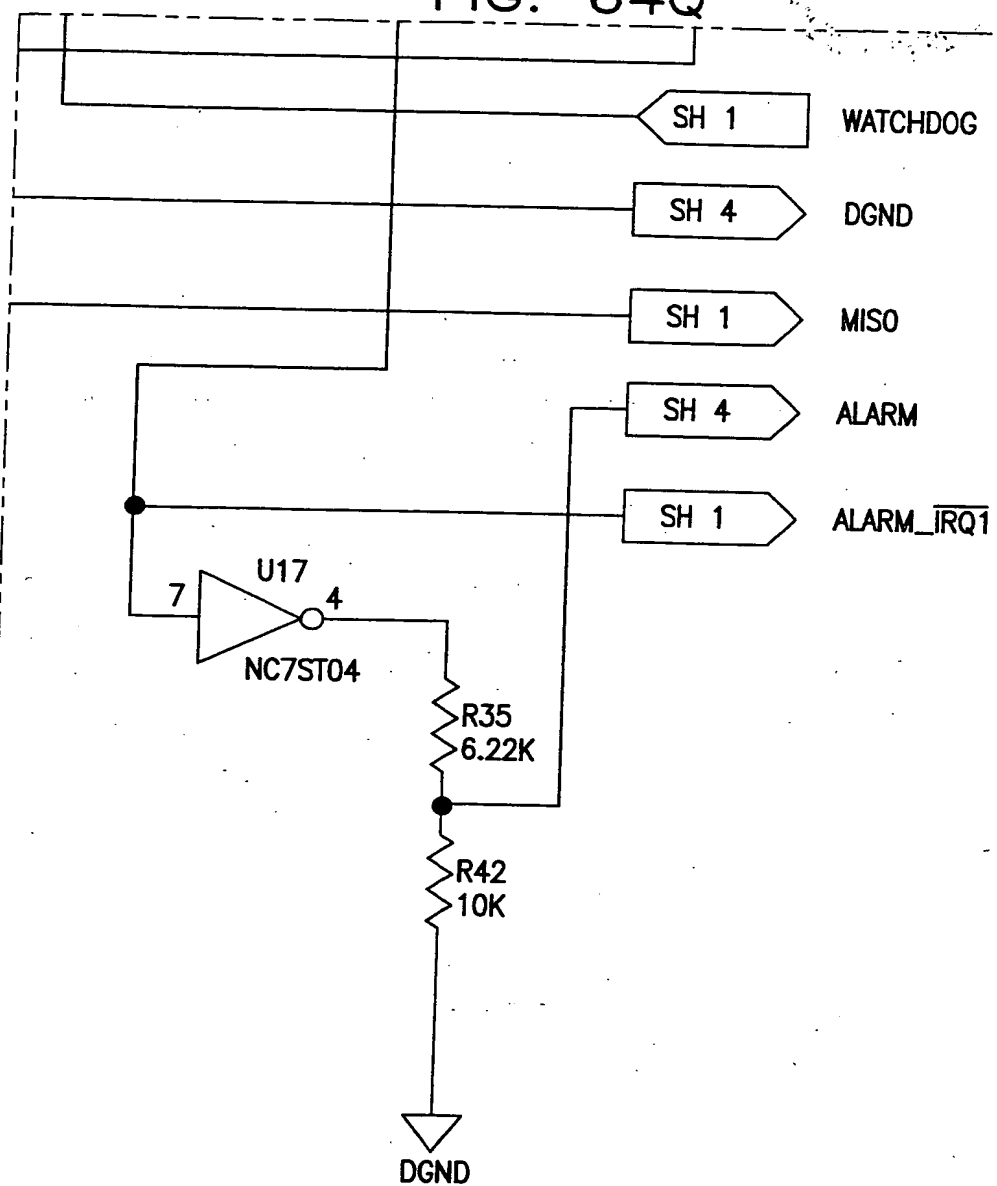


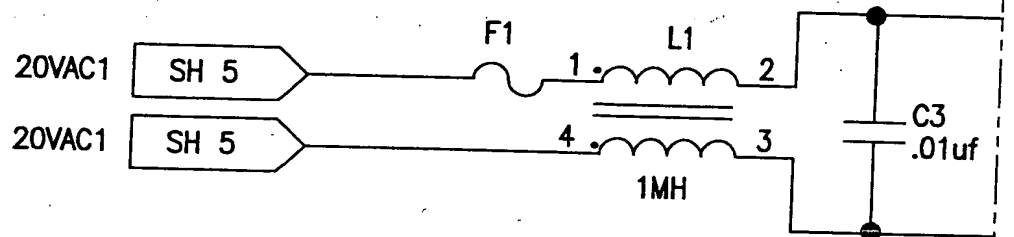
FIG. 65

	FIG. 65C	FIG. 65F	FIG. 65H	FIG. 65J	FIG. 65L
FIG. 65A	FIG. 65D	FIG. 65G	FIG. 65I	FIG. 65K	
FIG. 65B	FIG. 65E				

00022503-04002

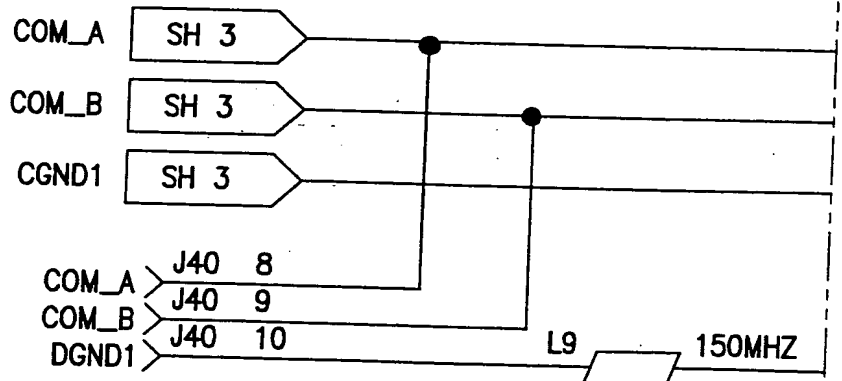
FIG. 65A

J40_1_NOT_USED	>	J40	1
J40_2_NOT_USED	>	J40	2
J40_3_NOT_USED	>	J40	3
J40_4_NOT_USED	>	J40	4
J40_5_NOT_USED	>	J40	5
J40_6_NOT_USED	>	J40	6



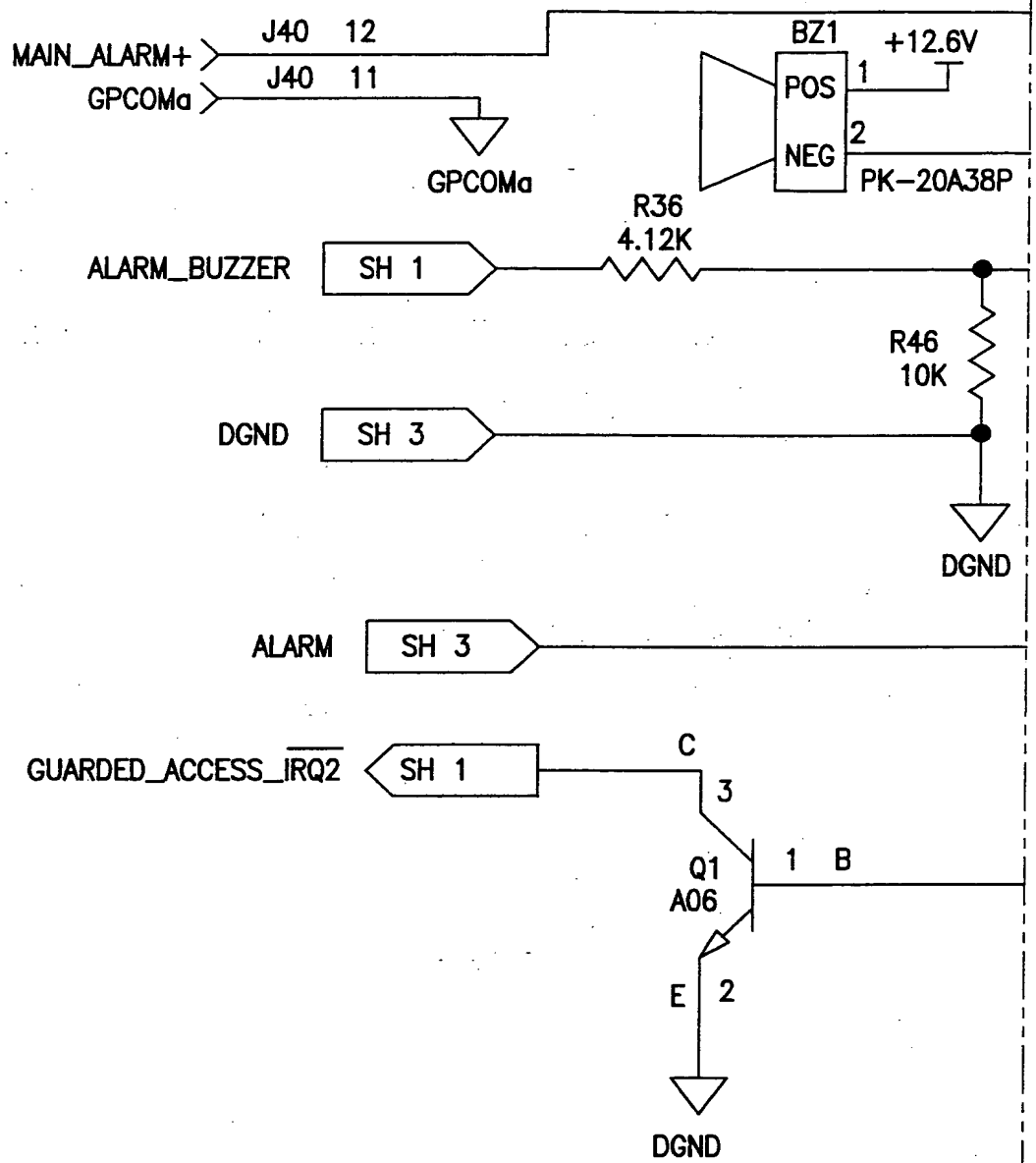
J40_NOT_USED	>	J40	7
VCC	>	J40	14
AUX_ALARM	>	J40	13

VCC



0003600-01000

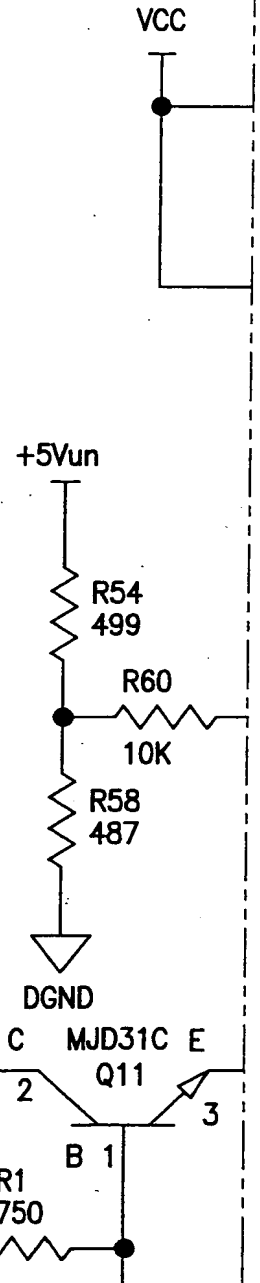
FIG. 65B



202510-20922000

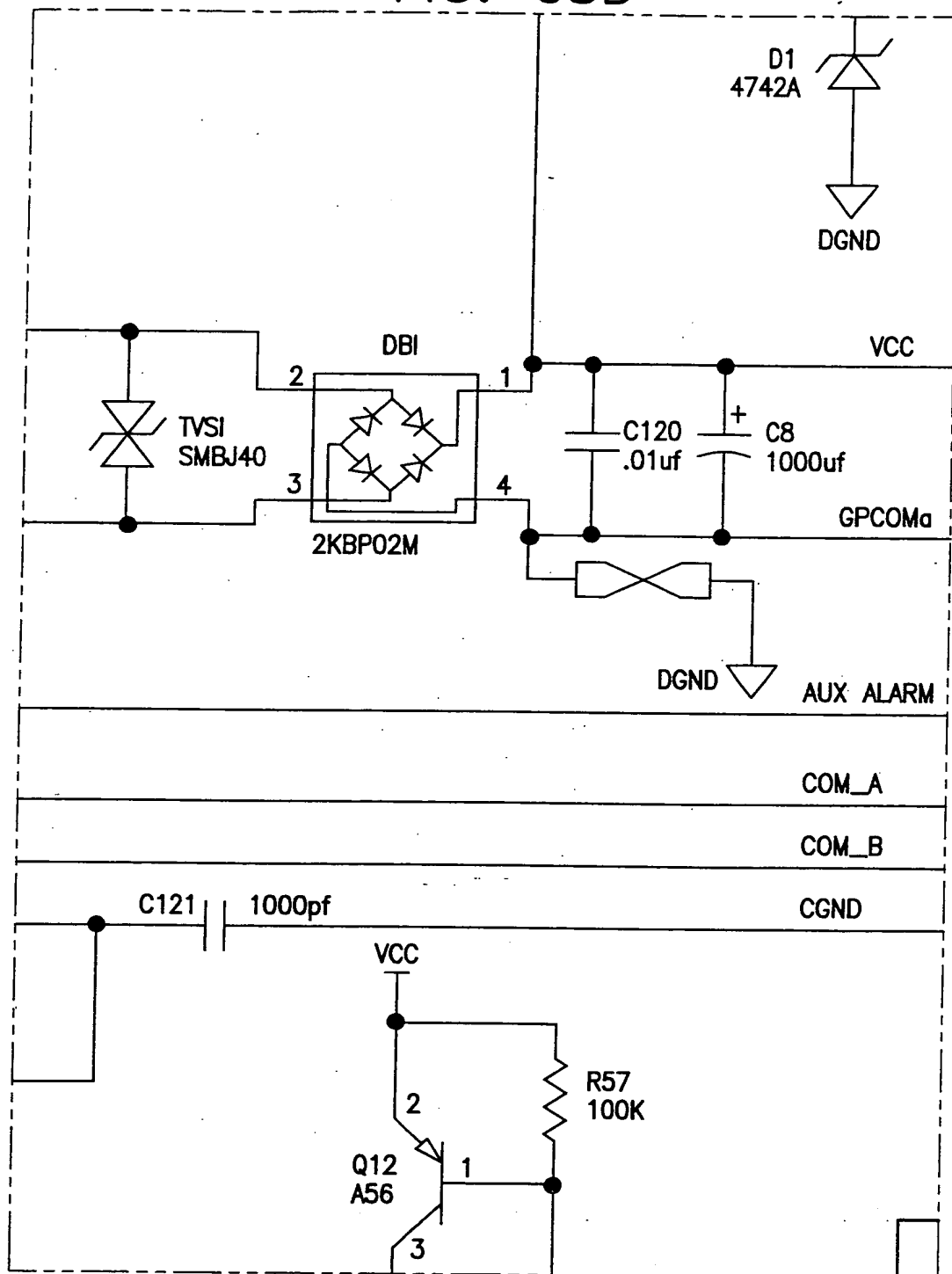
FIG. 65C

XDUCER_1A	J40	15	◇	XDUCER_1A
XDUCER_1B	J40	16	◇	XDUCER_1B
XDUCER_2A	J40	17	◇	XDUCER_2A
XDUCER_2B	J40	18	◇	XDUCER_2B
XDUCER_3A	J40	19	◇	XDUCER_3A
XDUCER_3B	J40	20	◇	XDUCER_3B
XDUCER_4A	J40	21	◇	XDUCER_4A
XDUCER_4B	J40	22	◇	XDUCER_4B
XDUCER_5A	J40	23	◇	XDUCER_5A
XDUCER_5B	J40	24	◇	XDUCER_5B
XDUCER_6A	J40	25	◇	XDUCER_6A
XDUCER_6B	J40	26	◇	XDUCER_6B



09923602-012003

FIG. 65D



200210-20522060

FIG. 65E

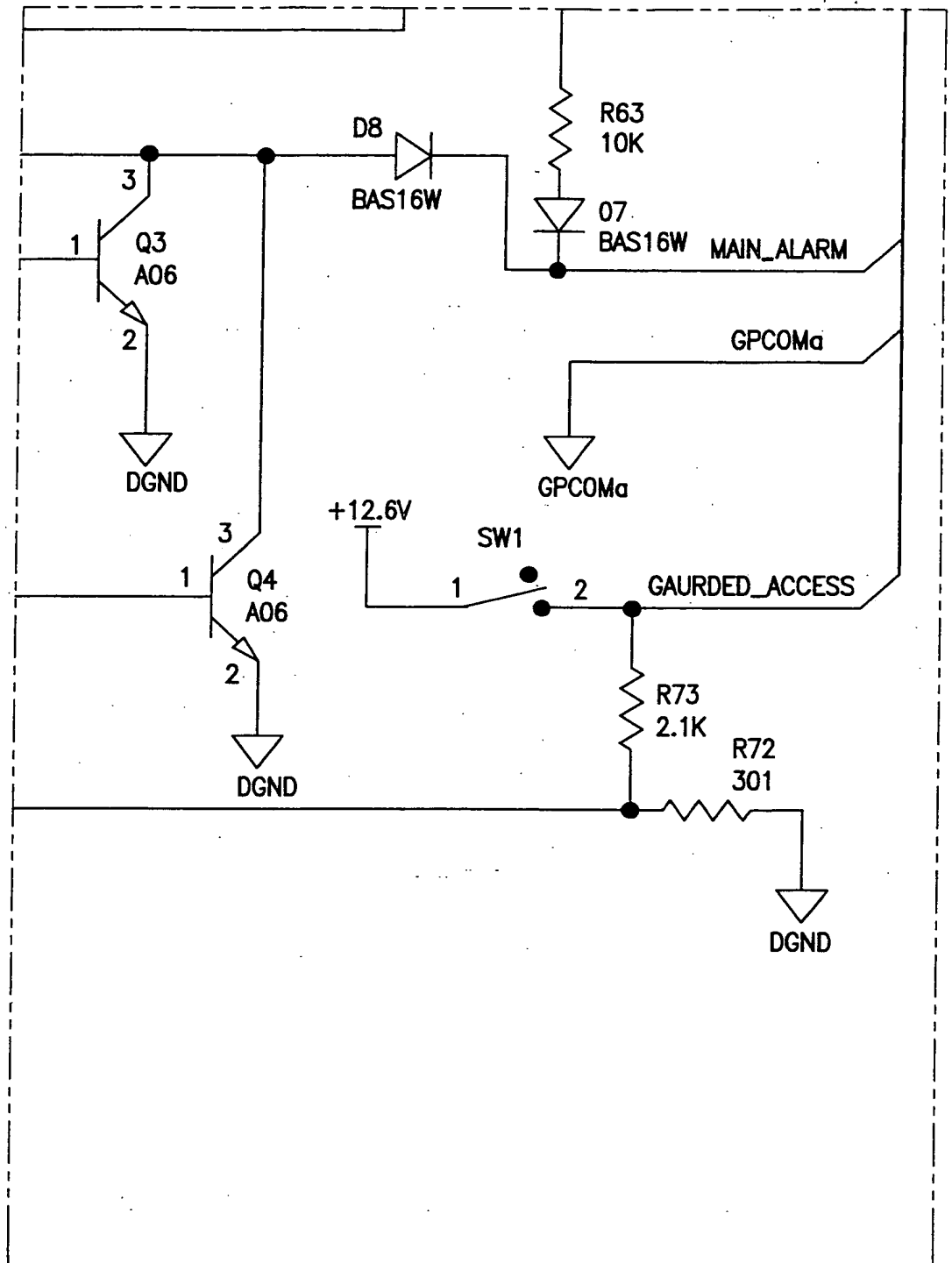
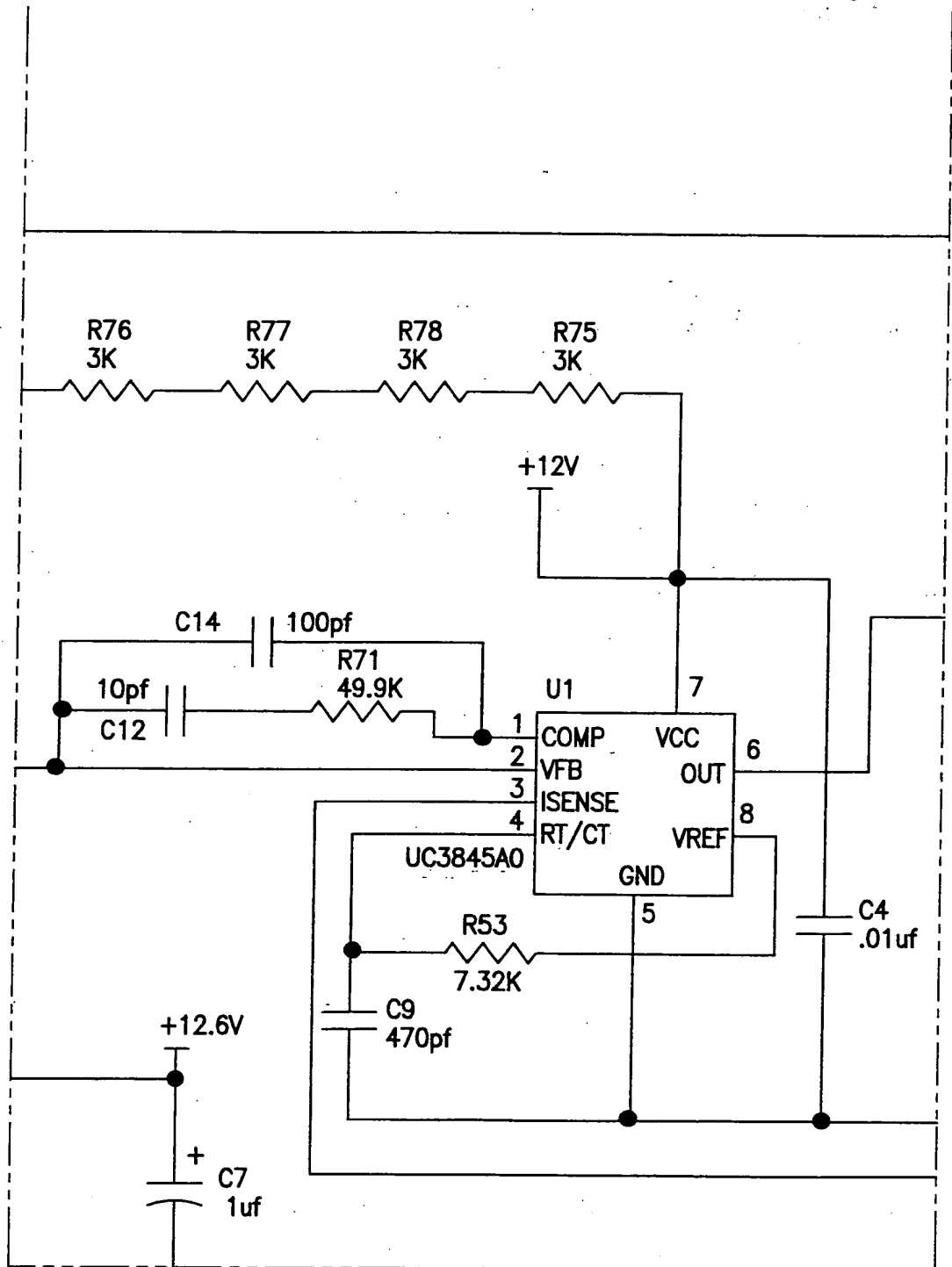


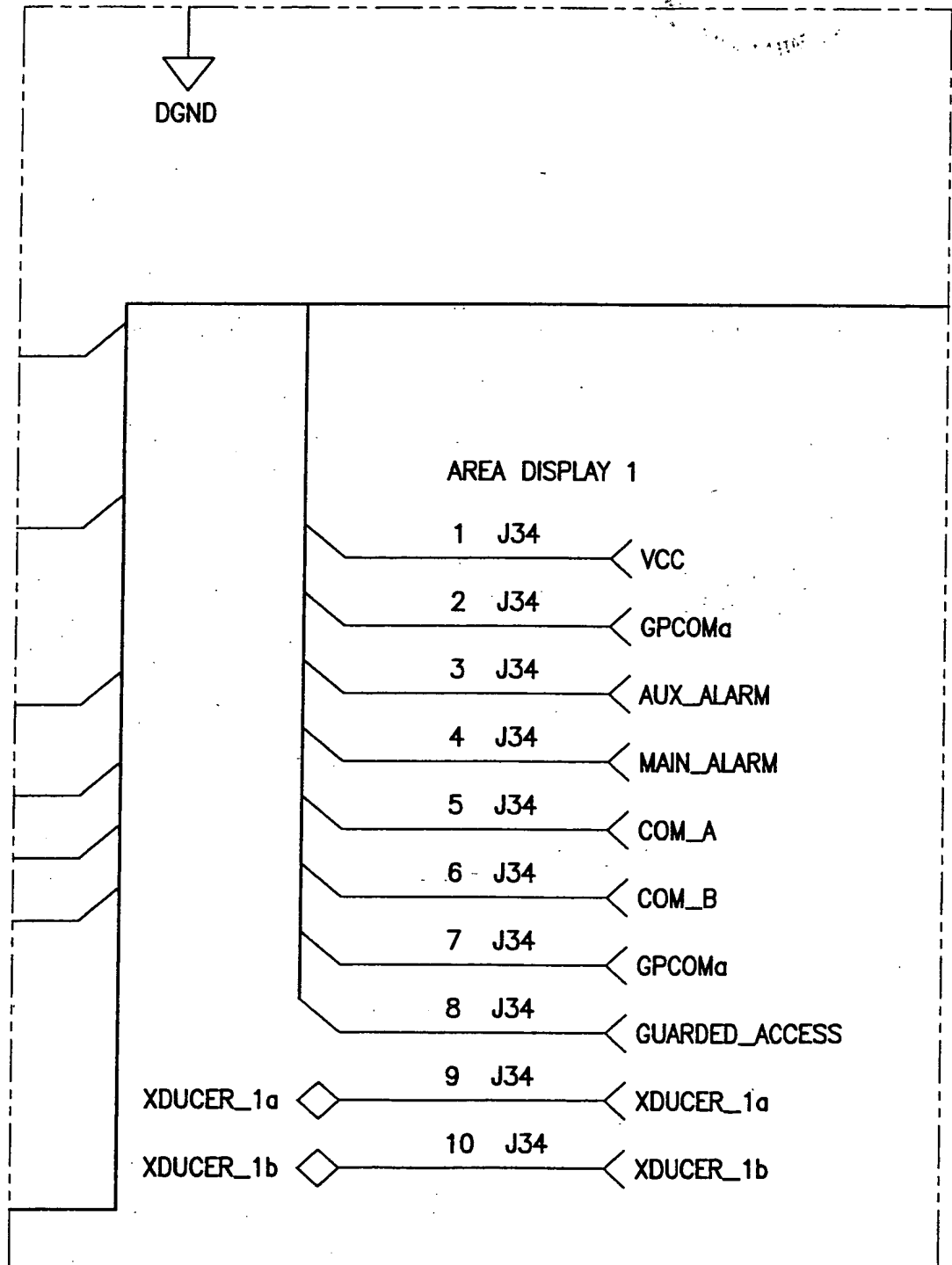
FIG. 65F



200270-00000000



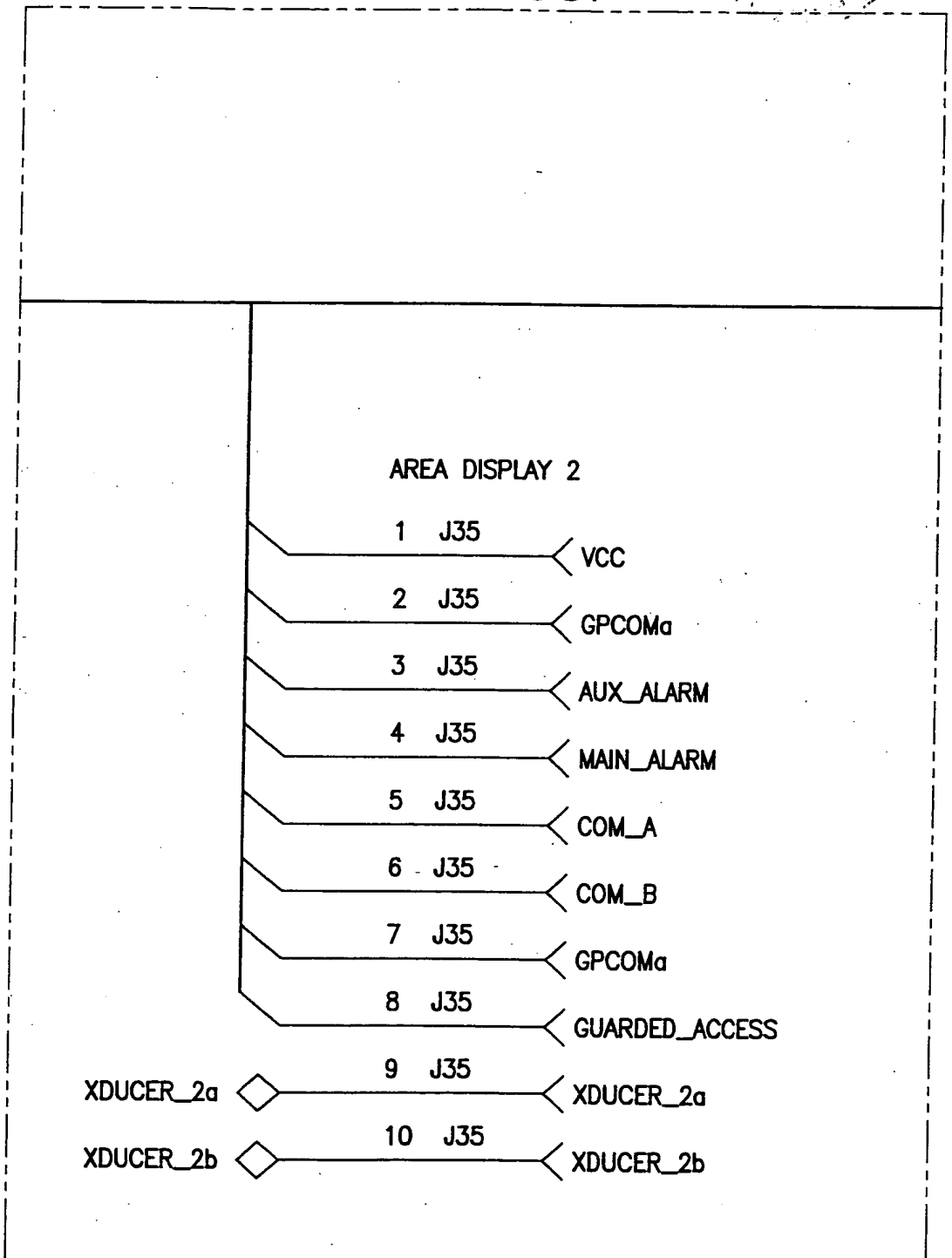
FIG. 65G



200270-20522000

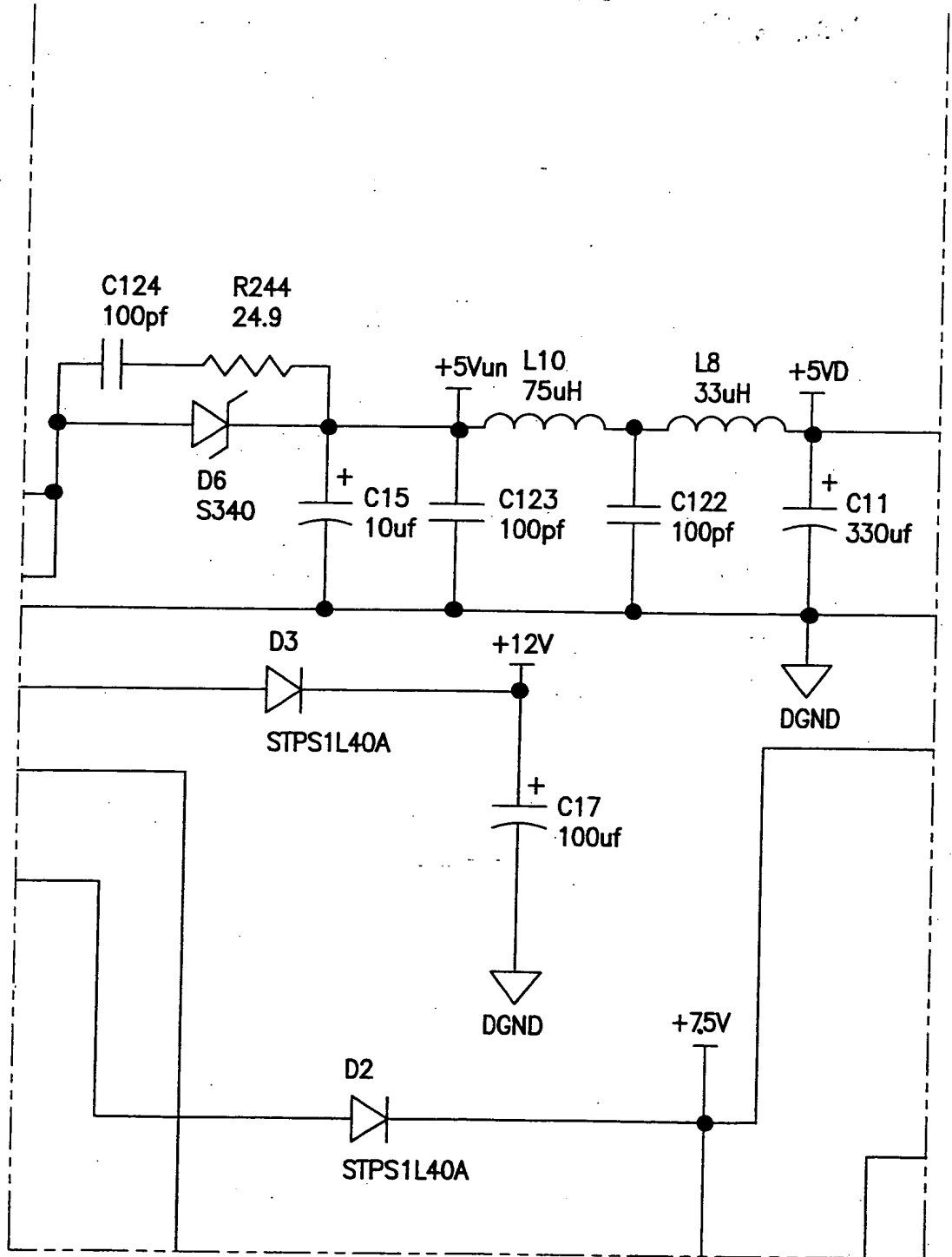


FIG. 65I



205270-20522600

FIG. 65J



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1013

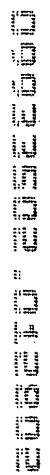
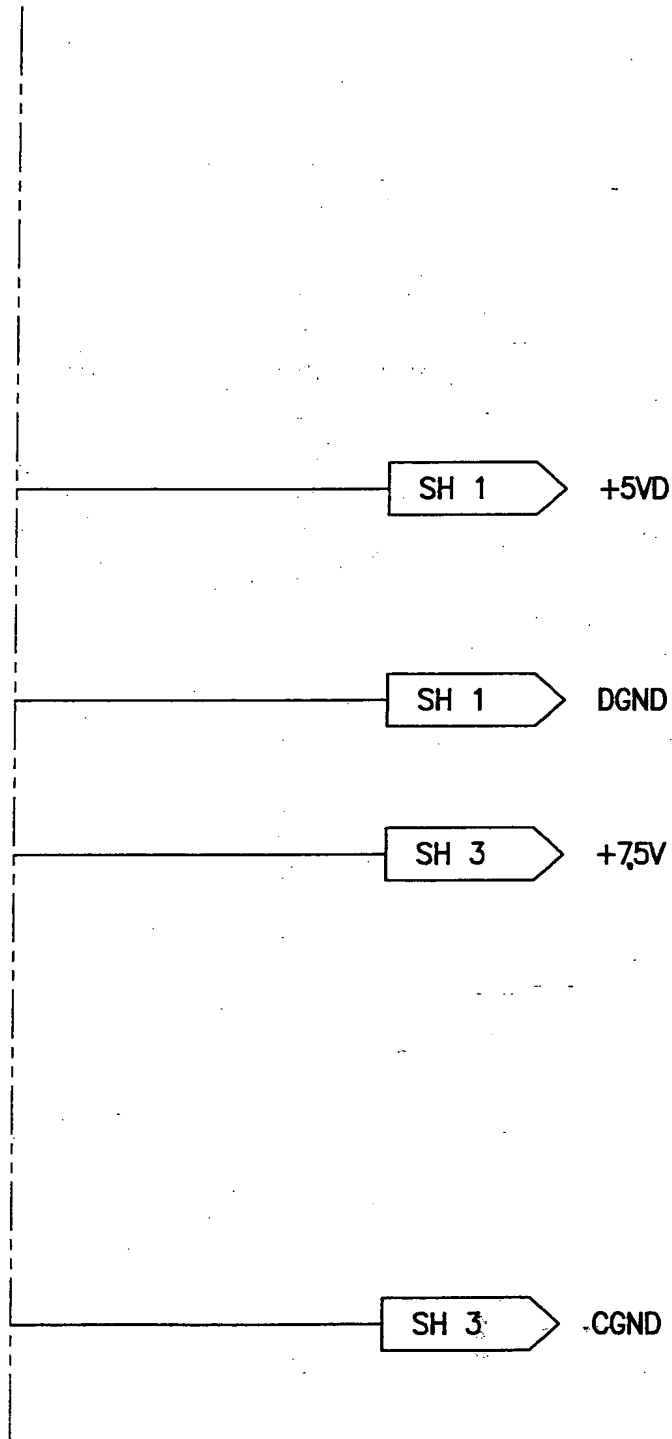


FIG. 65L



000000-010000




	FIG. 66E	FIG. 66J	FIG. 66O	FIG. 66S	FIG. 66W
FIG. 66A	FIG. 66F	FIG. 66K	FIG. 66P	FIG. 66T	FIG. 66X
FIG. 66B	FIG. 66G	FIG. 66L	FIG. 66Q	FIG. 66U	
FIG. 66C	FIG. 66H	FIG. 66M	FIG. 66R	FIG. 66V	
FIG. 66D	FIG. 66I	FIG. 66N			

FIG. 66A

LOCAL ALARM 11	>	J32 9
LOCAL ALARM 12	>	J32 10
LOCAL ALARM 13	>	J32 11
LOCAL ALARM 14	>	J32 12

LOCAL ALARM 15	>	J32 13
LOCAL ALARM 16	>	J32 14
LOCAL ALARM 17	>	J32 15
LOCAL ALARM 18	>	J32 16



FIG. 66B

LOCAL ALARM 19	J32 17
LOCAL ALARM 20	J32 18
LOCAL ALARM 30	J32 19
LOCAL ALARM 29	J32 20

LOCAL ALARM 28	J32 21
LOCAL ALARM 27	J32 22
LOCAL ALARM 26	J32 23
LOCAL ALARM 25	J32 24

LOCAL ALARM 24	J32 25
LOCAL ALARM 23	J32 26
LOCAL ALARM 22	J33 1
LOCAL ALARM 21	J33 2

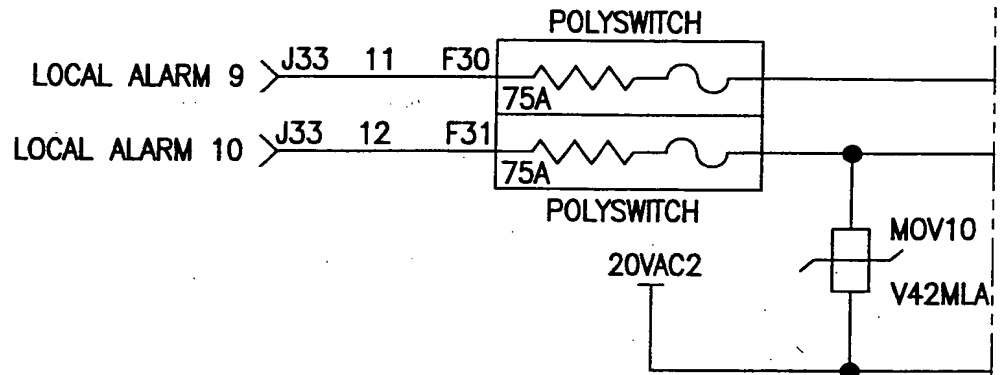
FIG. 66C

LOCAL ALARM 1	J33 3
LOCAL ALARM 2	J33 4
LOCAL ALARM 3	J33 5
LOCAL ALARM 4	J33 6

LOCAL ALARM 5	J33 7
LOCAL ALARM 6	J33 8
LOCAL ALARM 7	J33 9
LOCAL ALARM 8	J33 10

202570-20522660

FIG. 66D



20525200

FIG. 66E

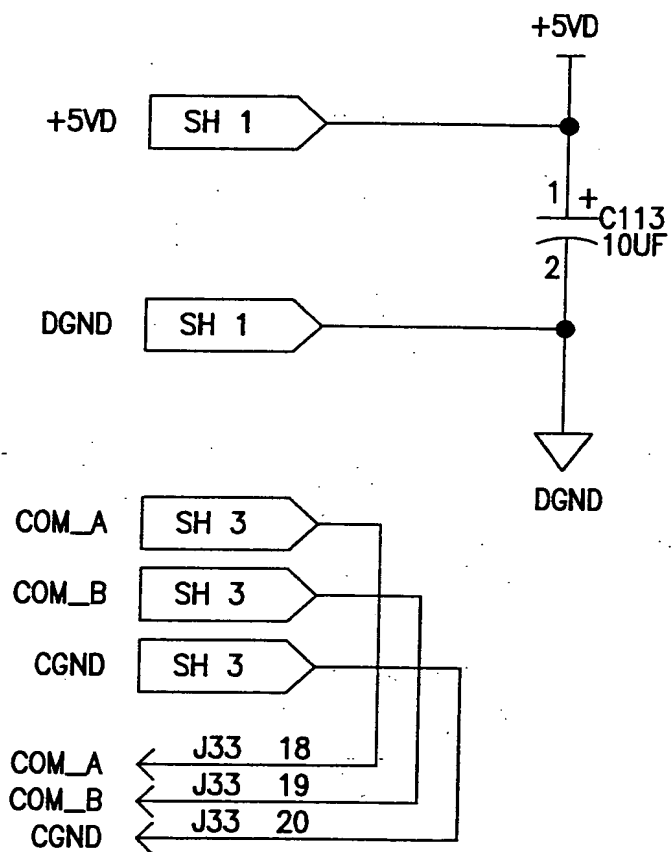
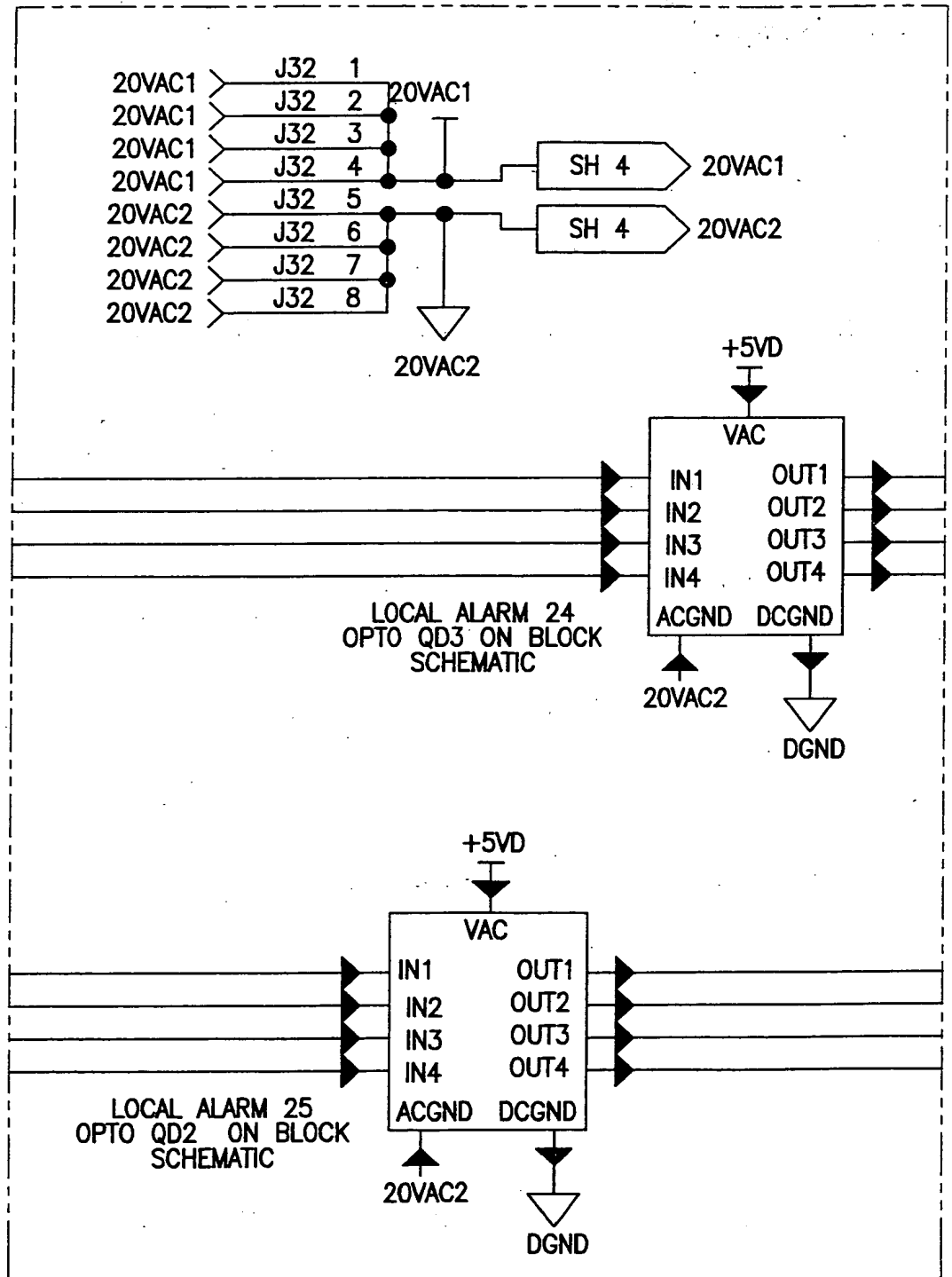


FIG. 66F



203270-20522600

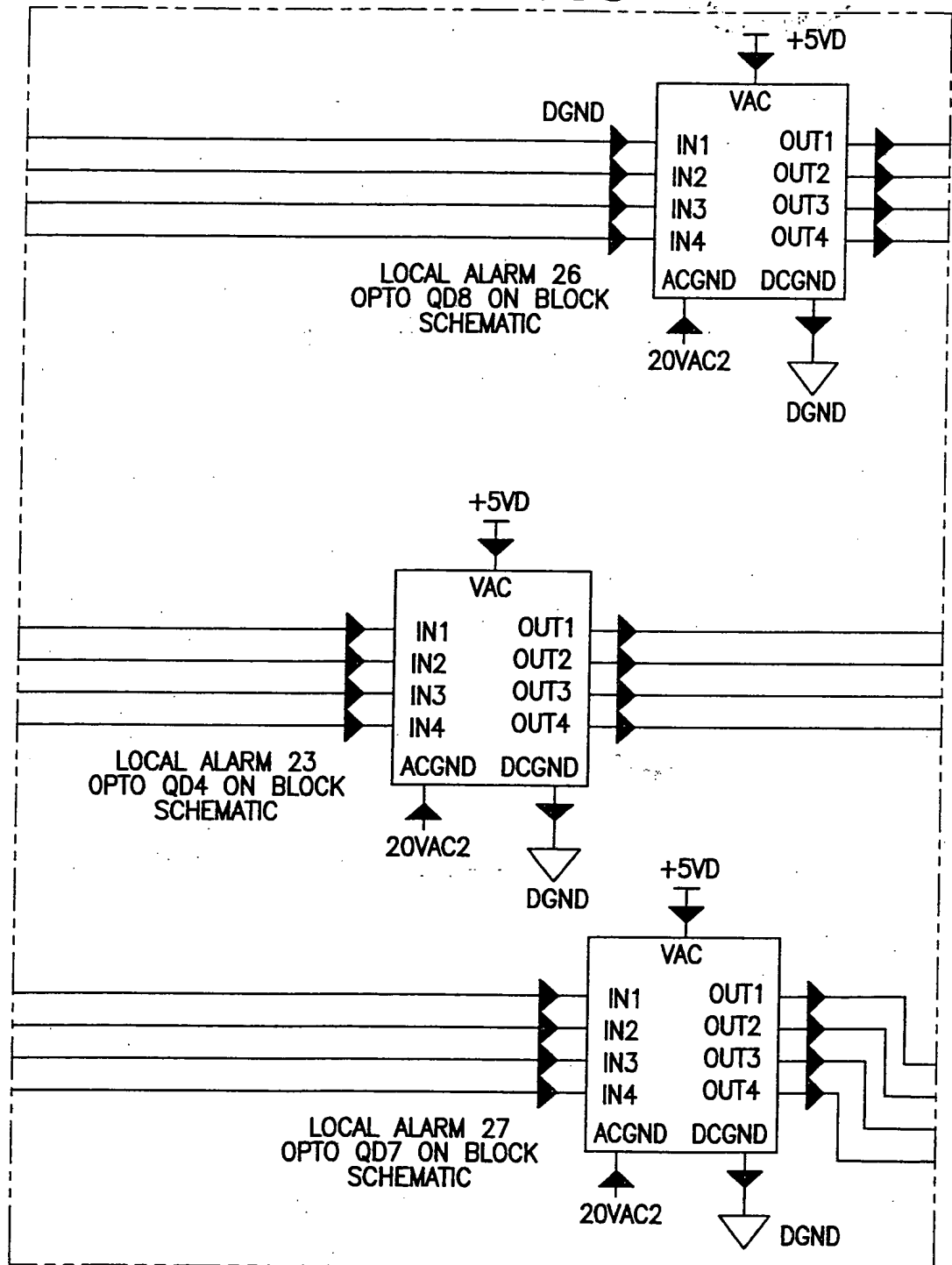
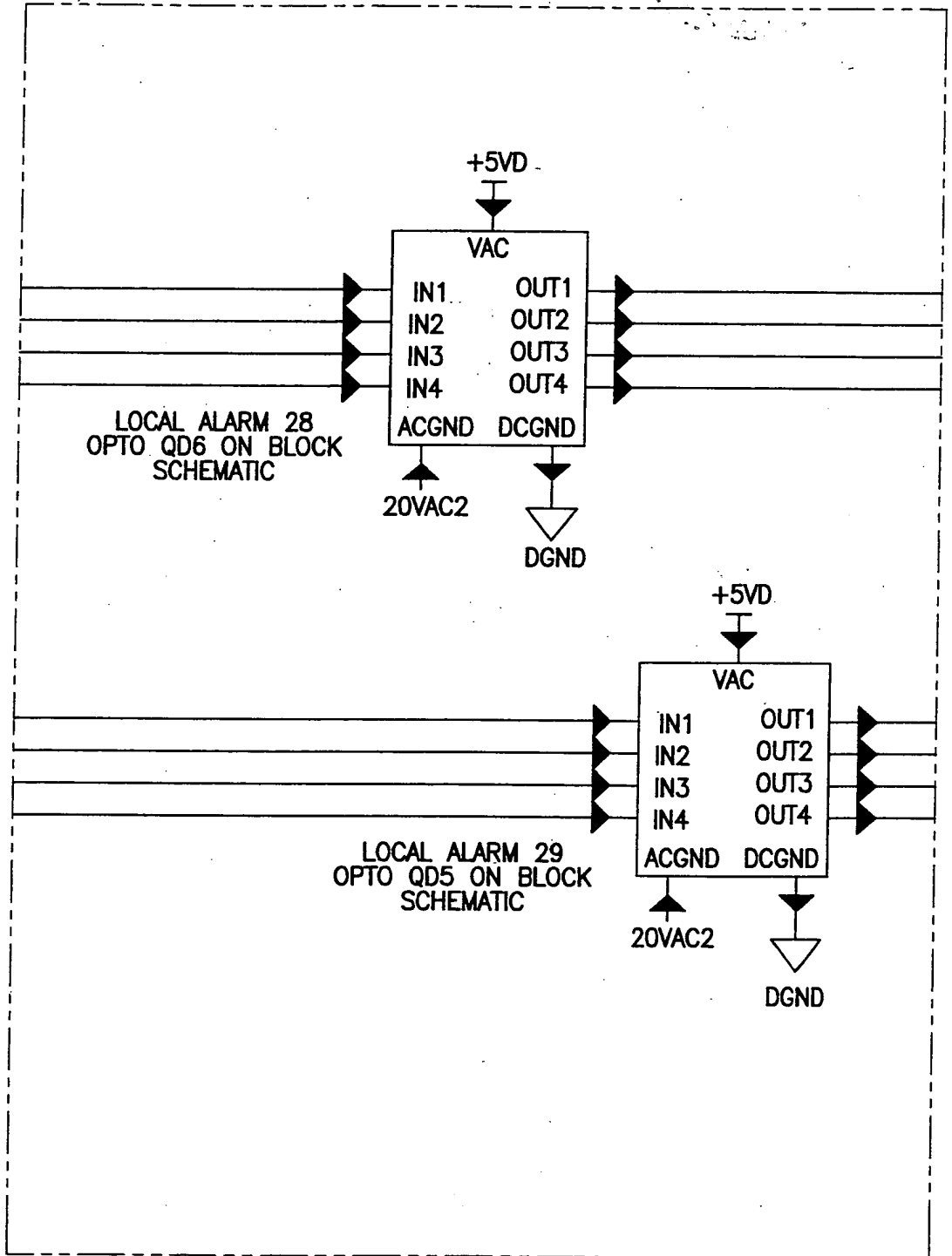
[illegible]

FIG. 66H



20522600

2022-2022-2022

FIG. 66I

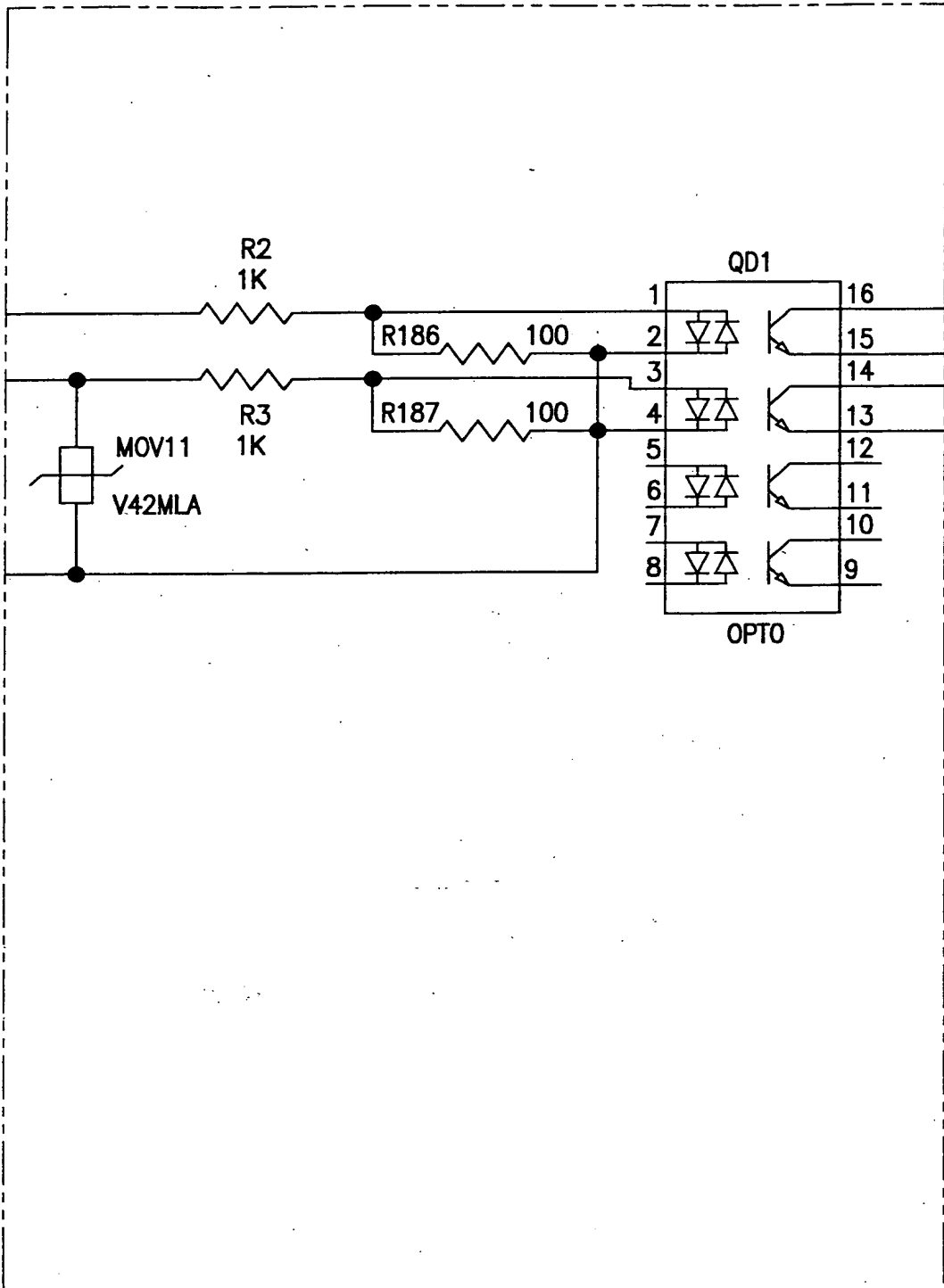




FIG. 66J

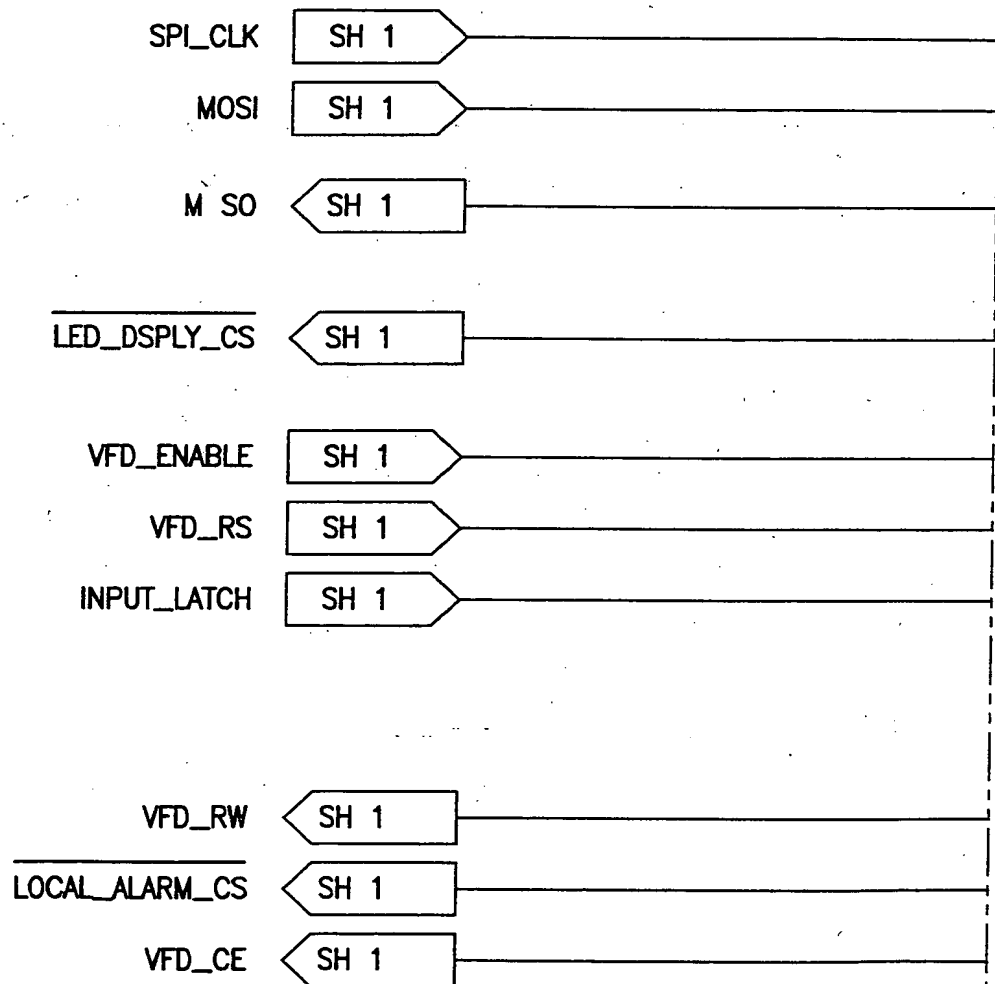
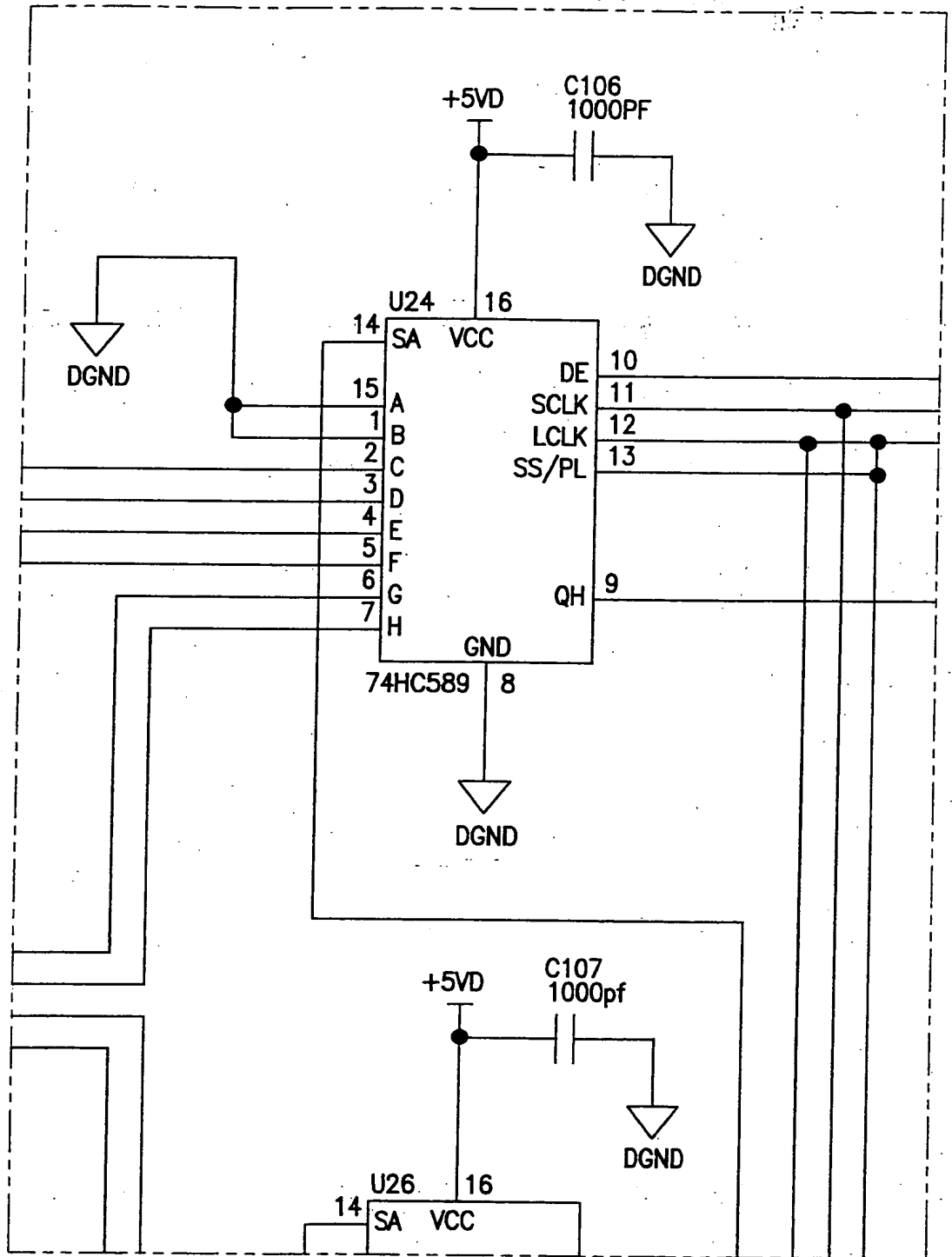
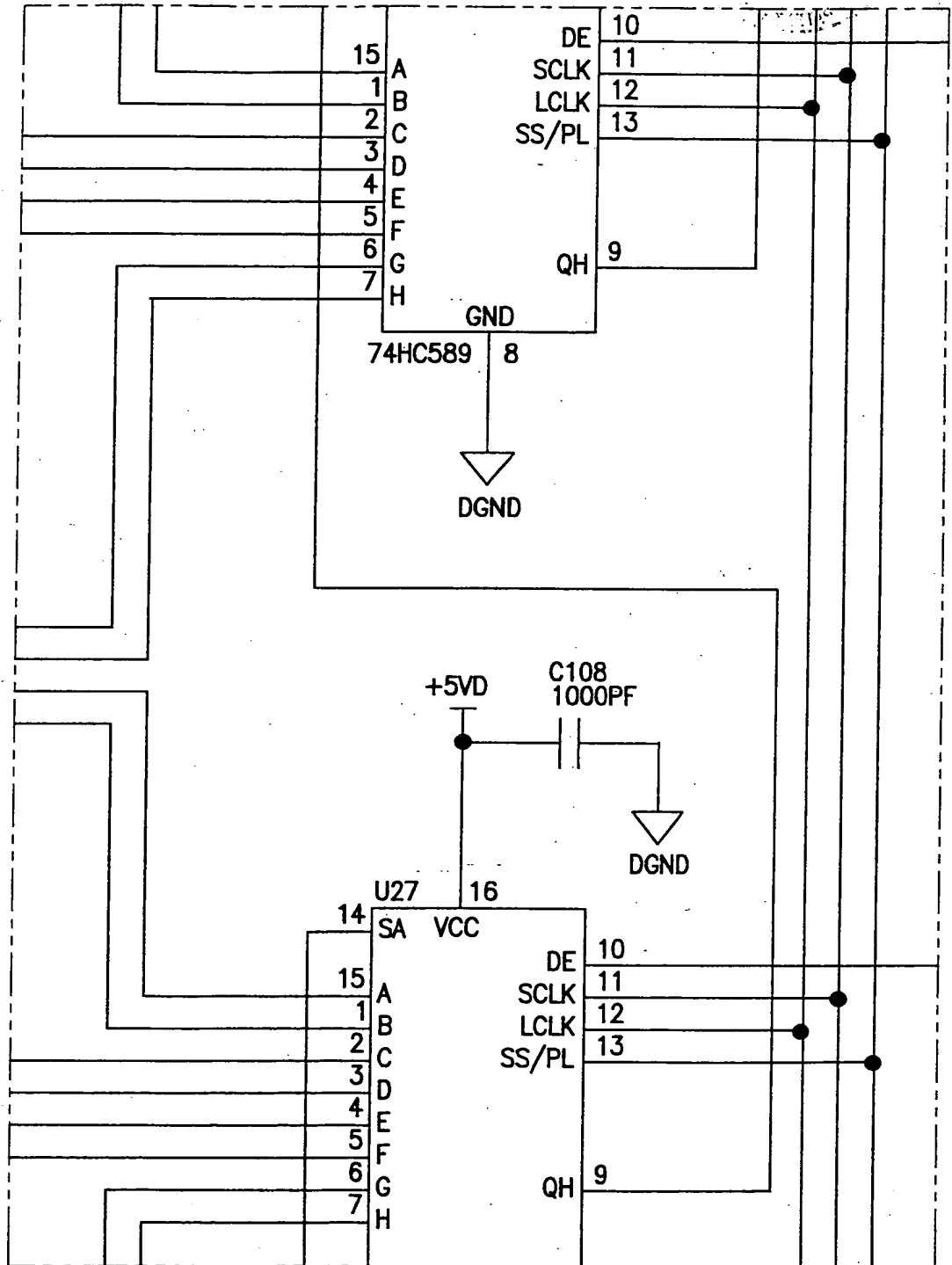


FIG. 66K



20022502 013002

FIG. 66L



00023603 013002

2052E660

FIG. 66M

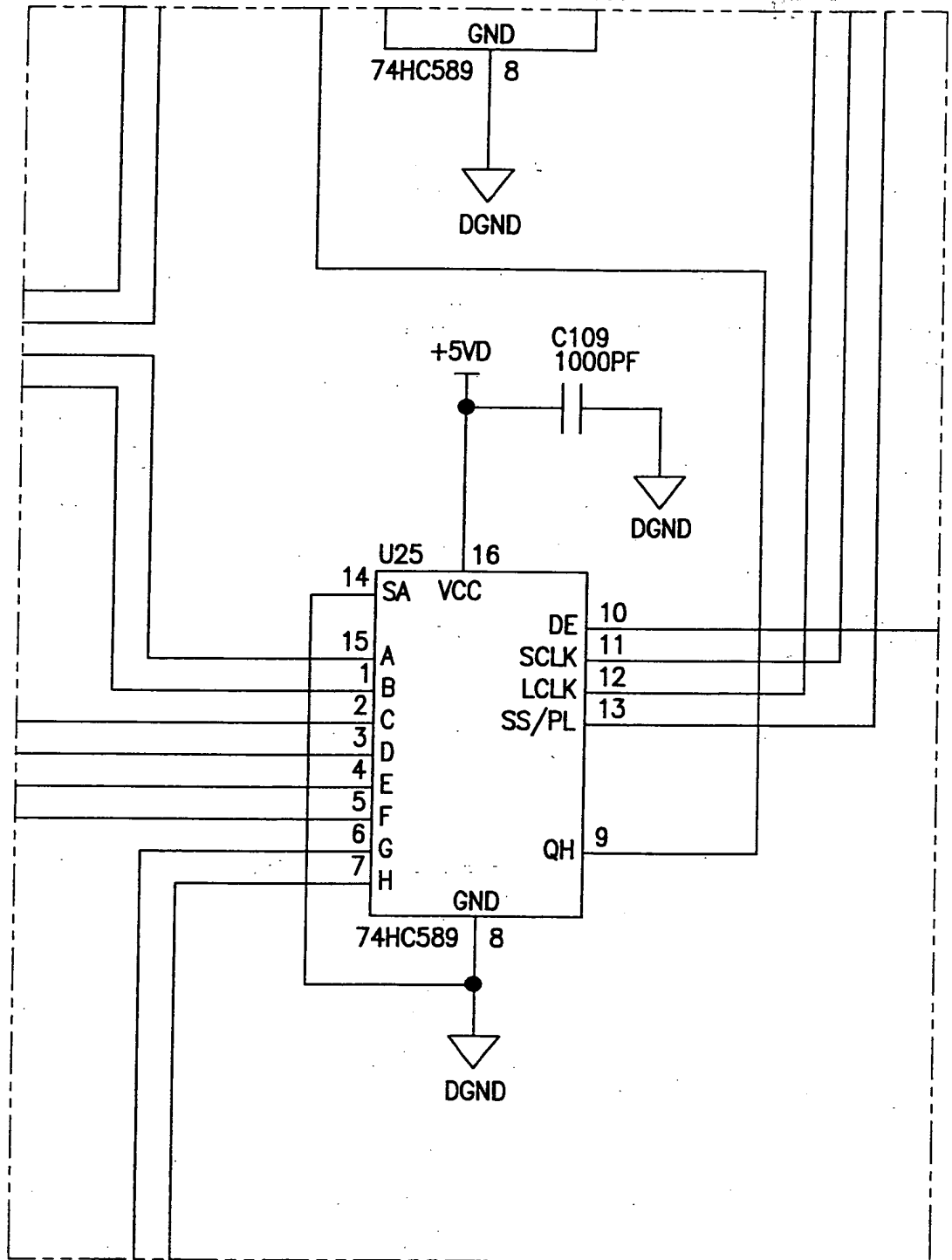
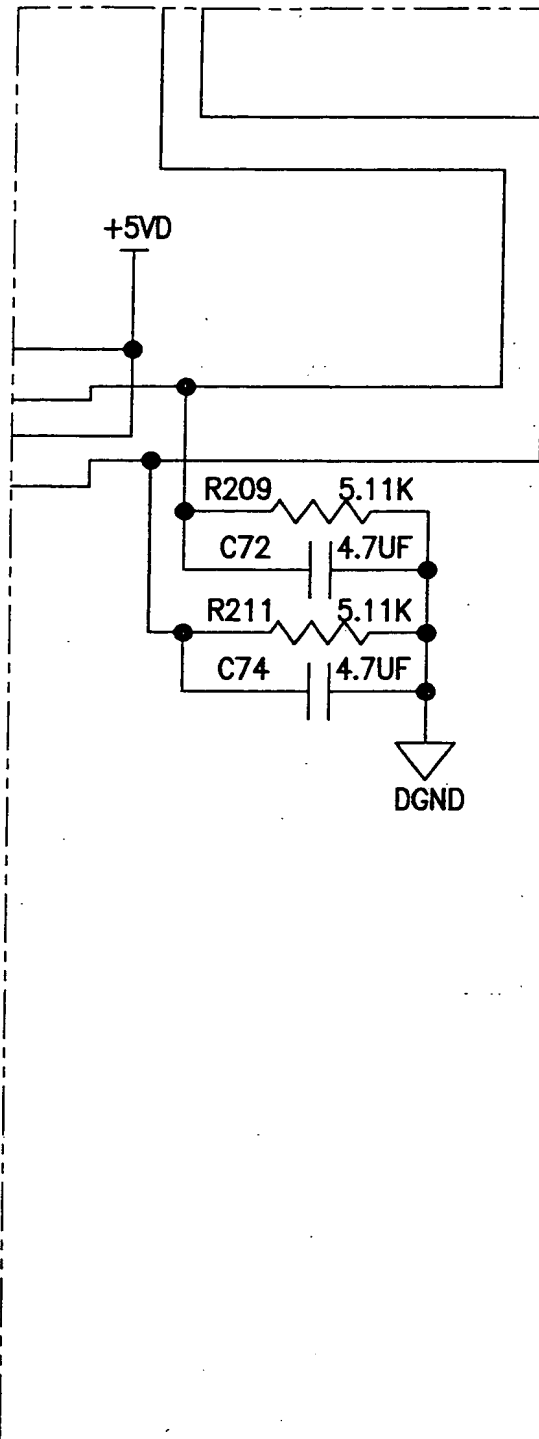
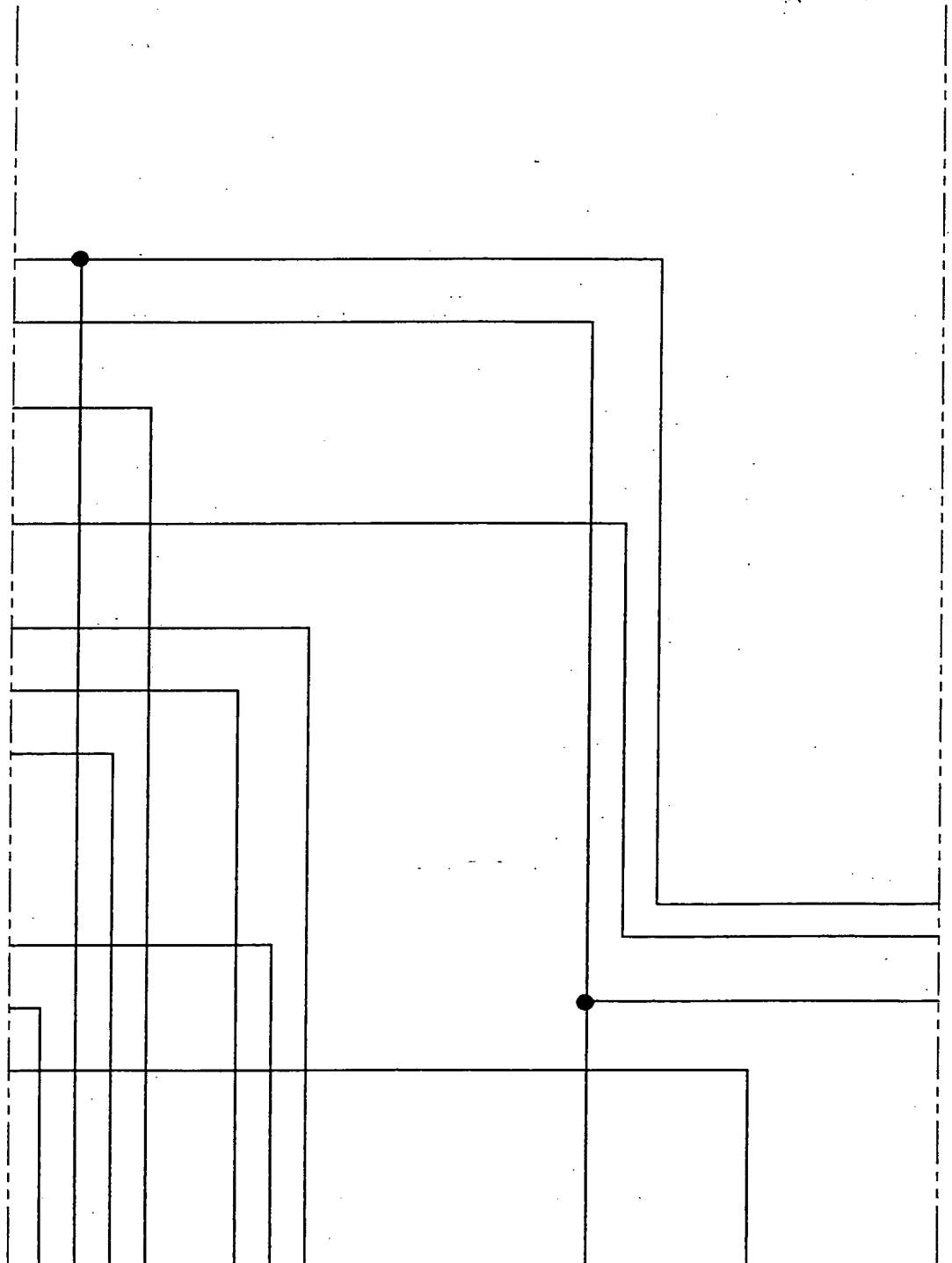


FIG. 66N

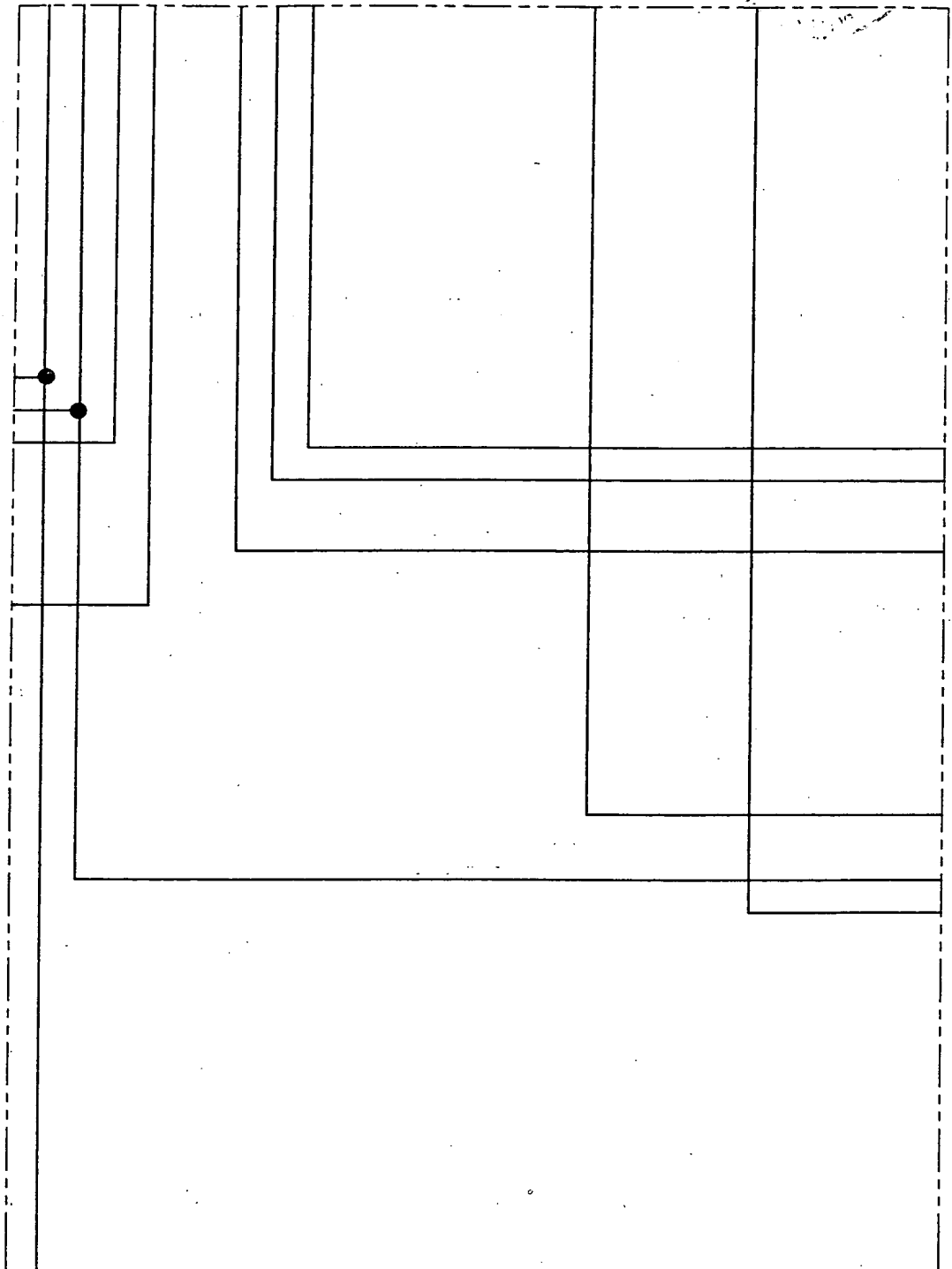


2000-01-01

FIG. 660

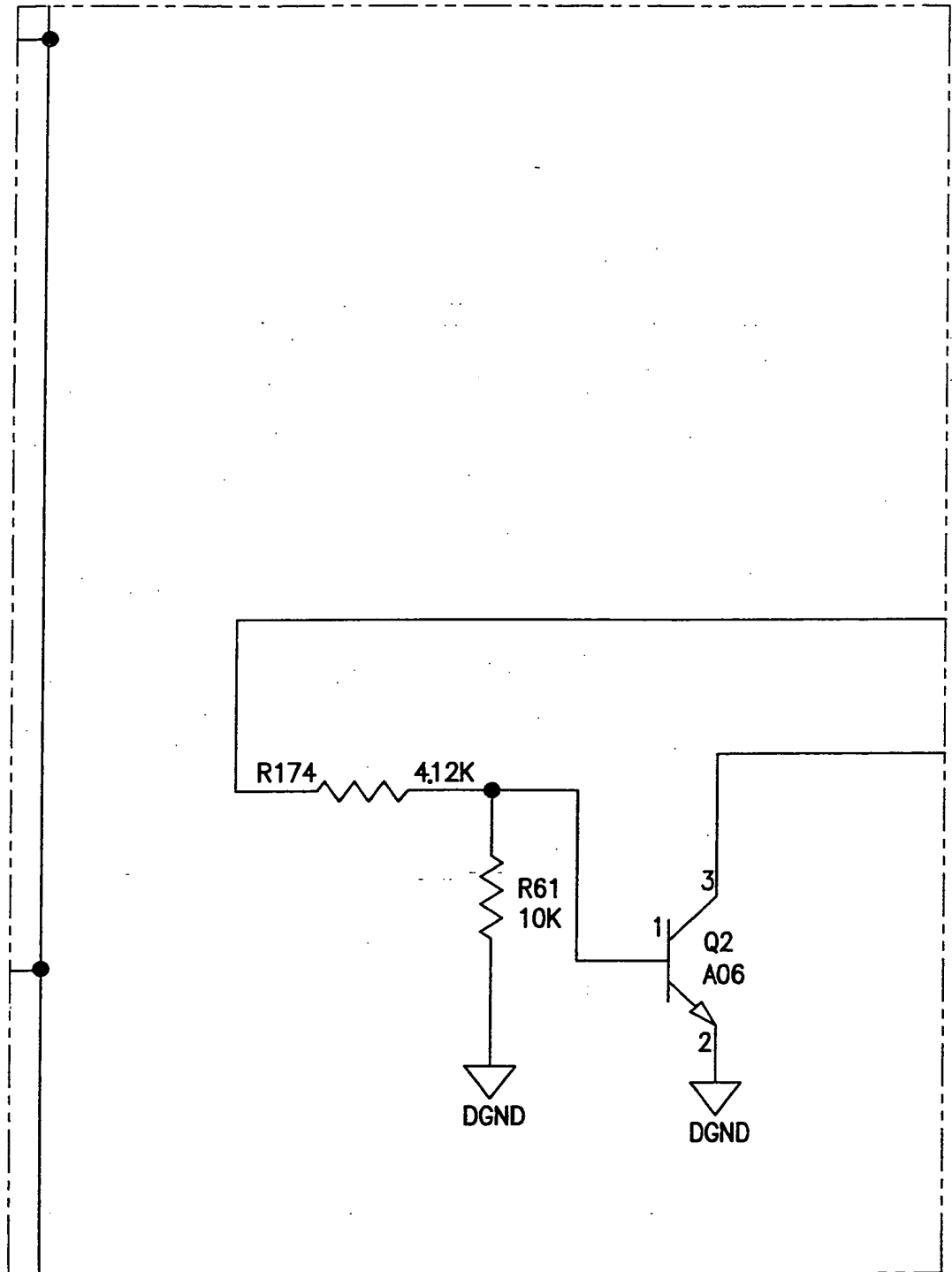


208210 2052200

[illegible]

20220720 20220720

FIG. 66Q





0003502-013003

FIG. 66R

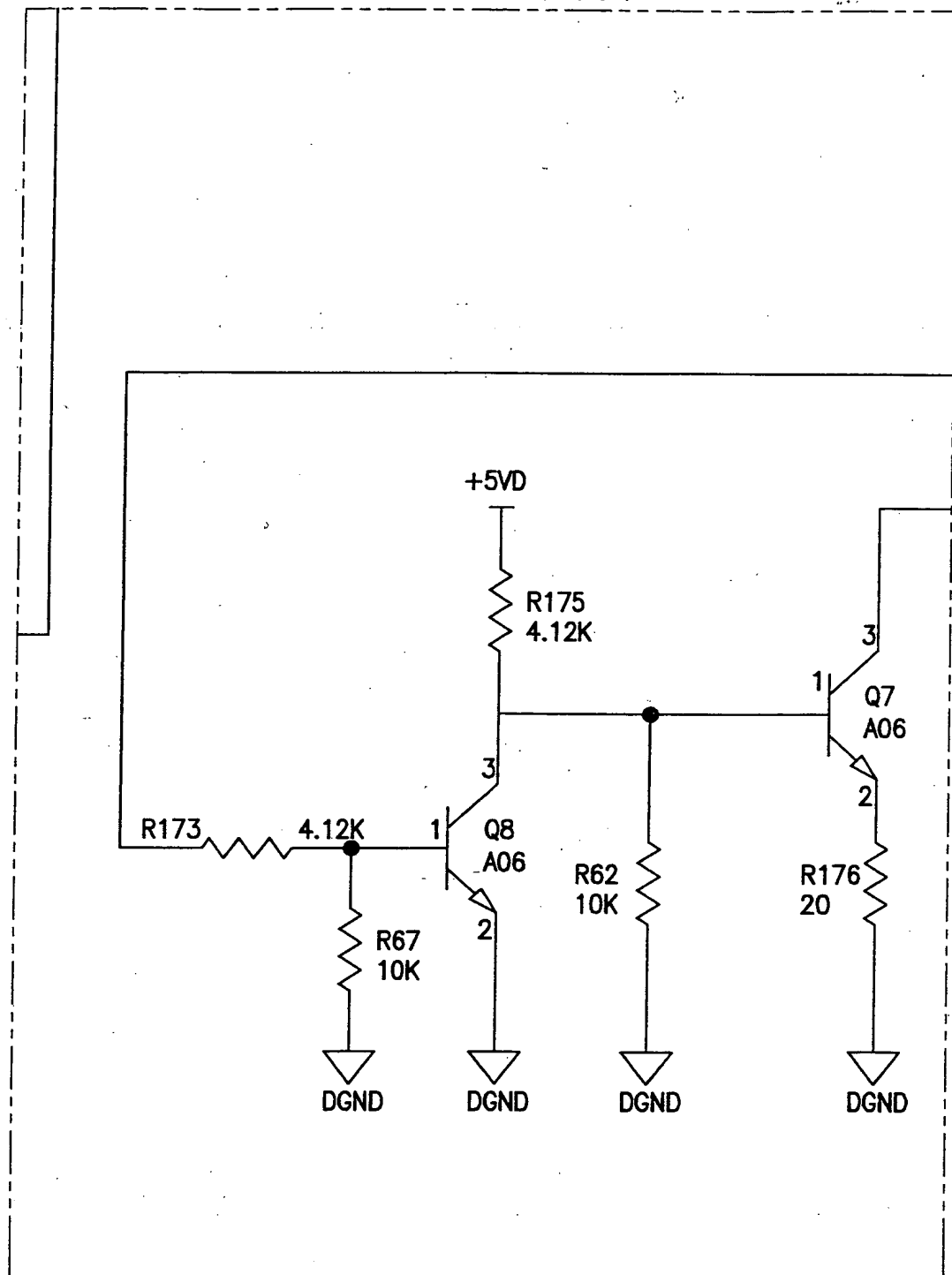
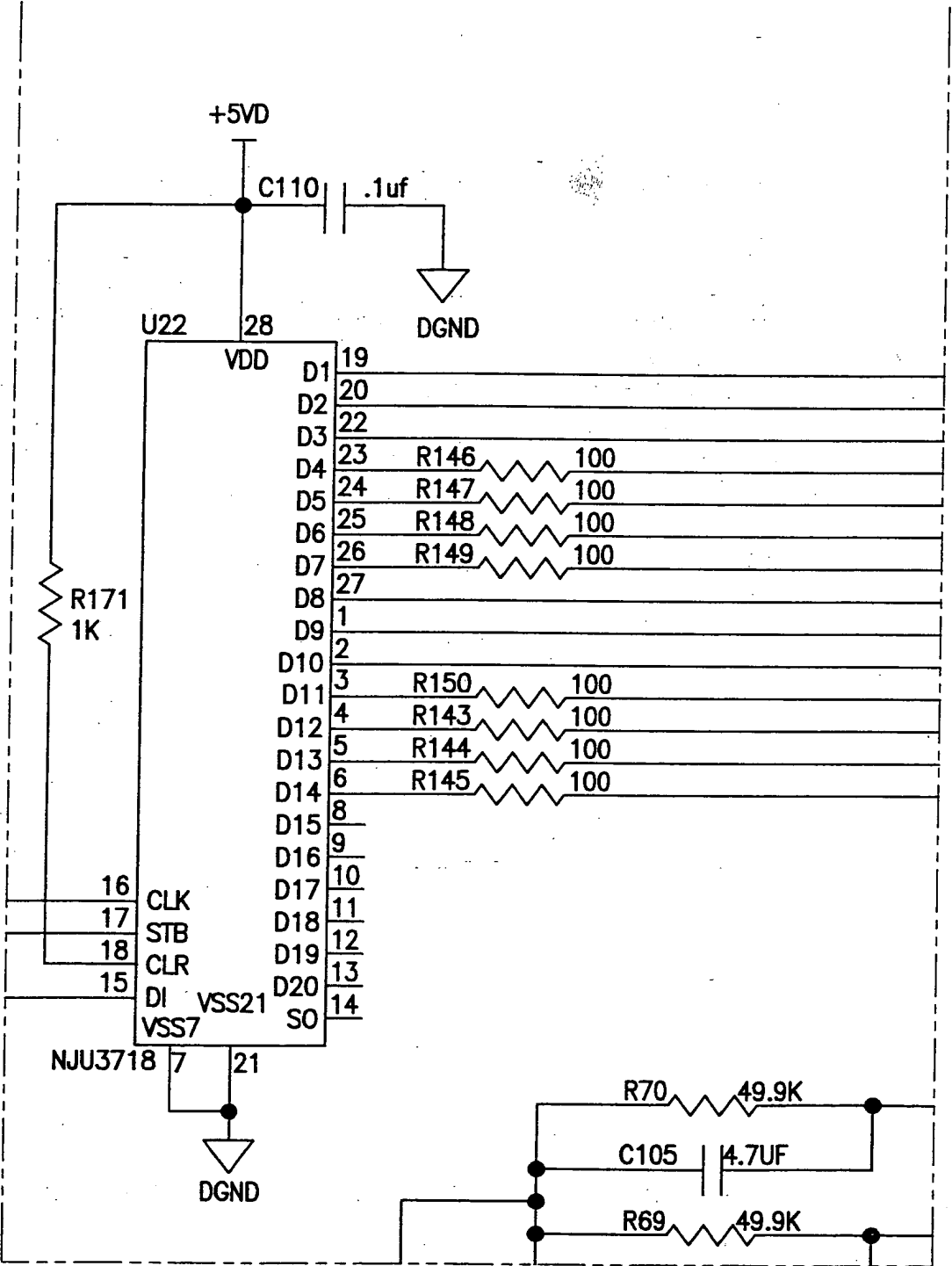
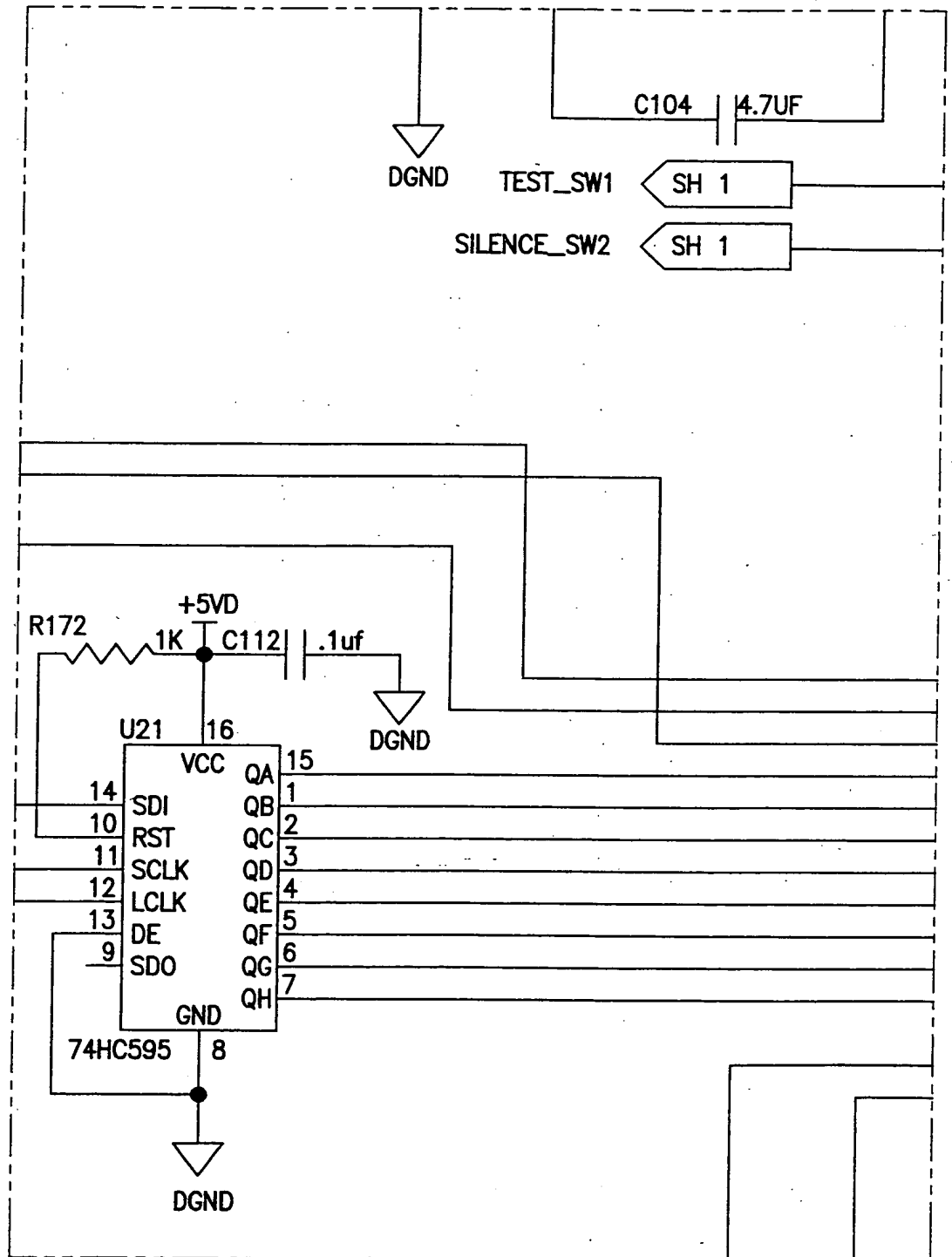


FIG. 66S



200210 20322000

FIG. 66T



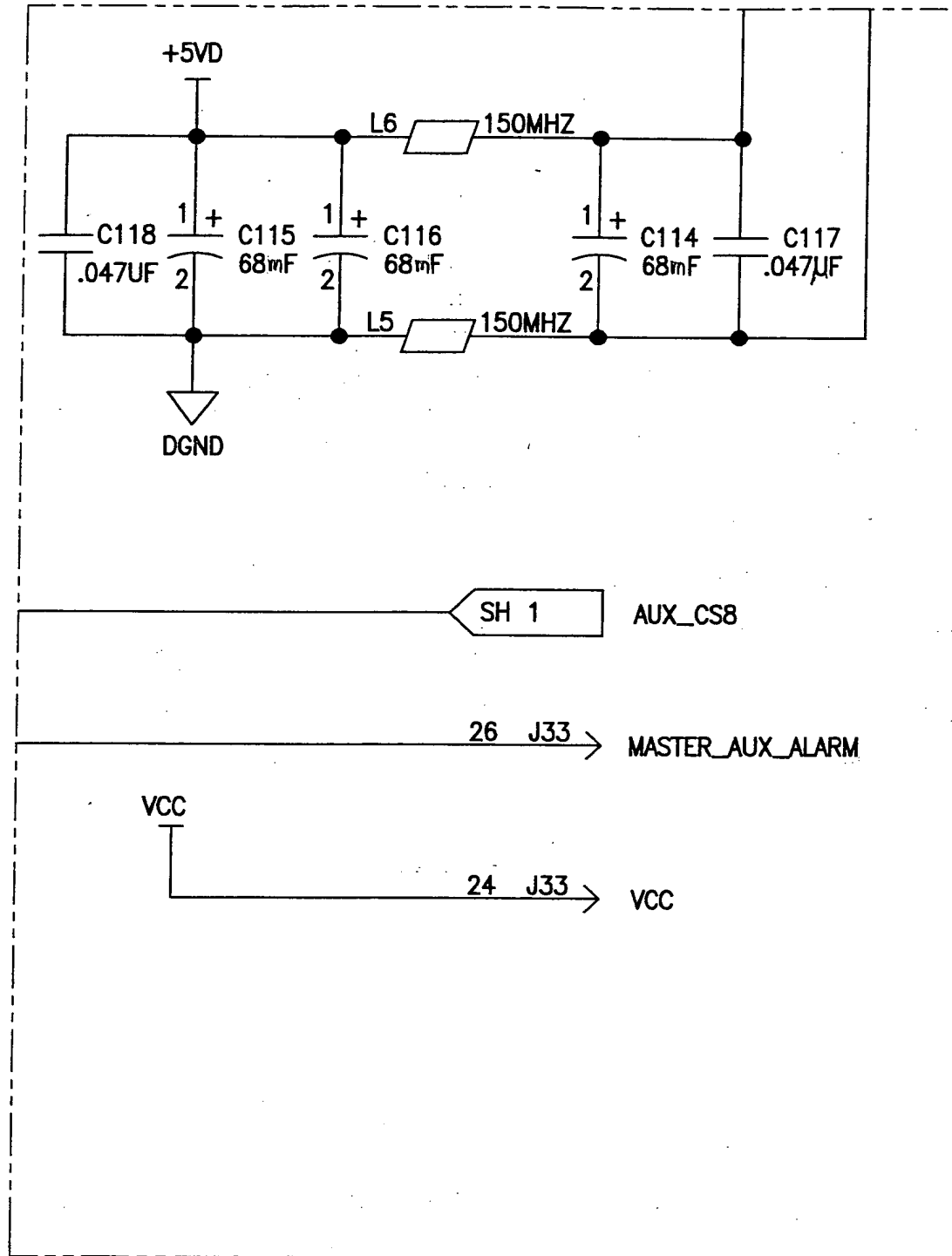
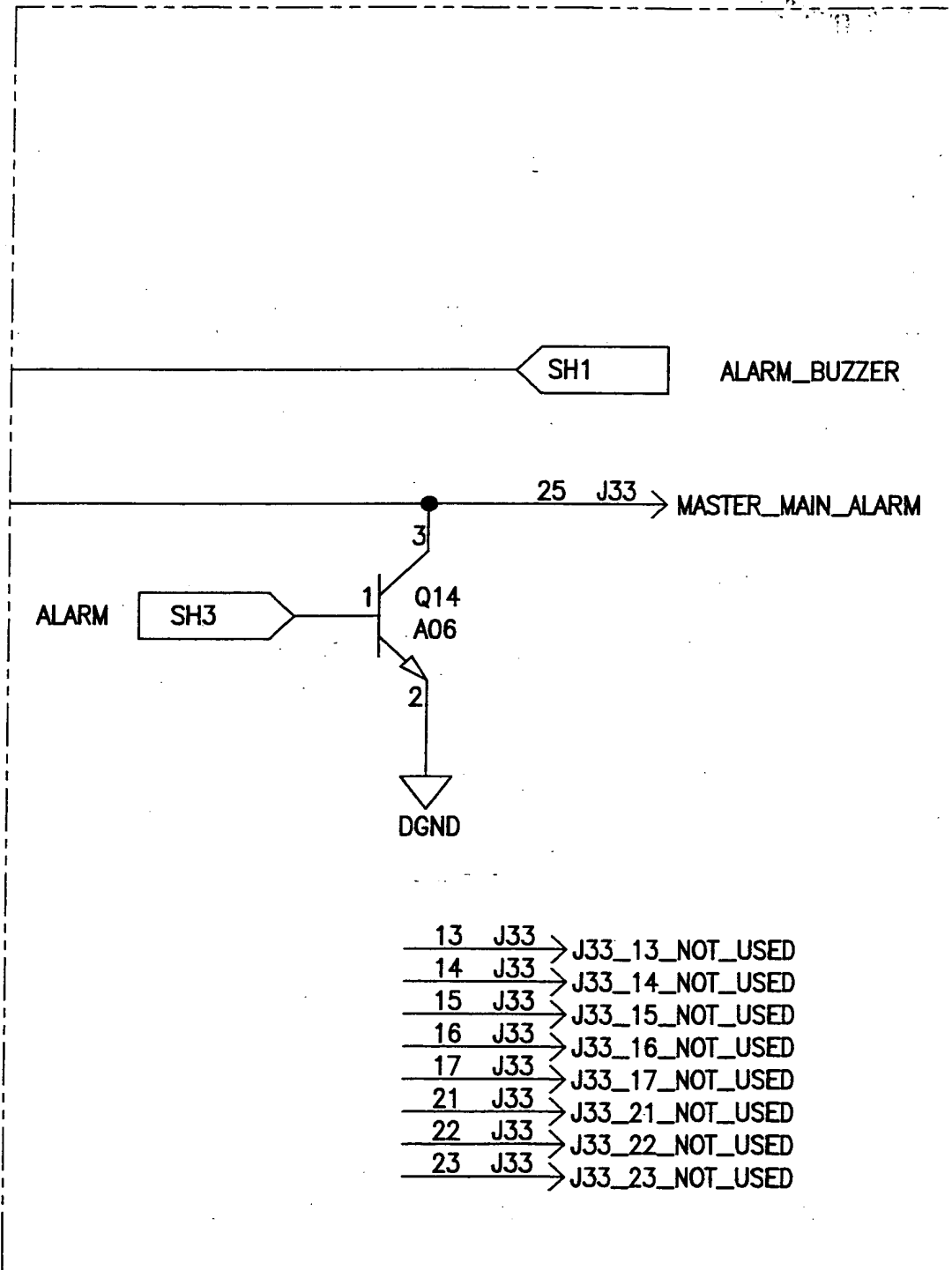


FIG. 66V

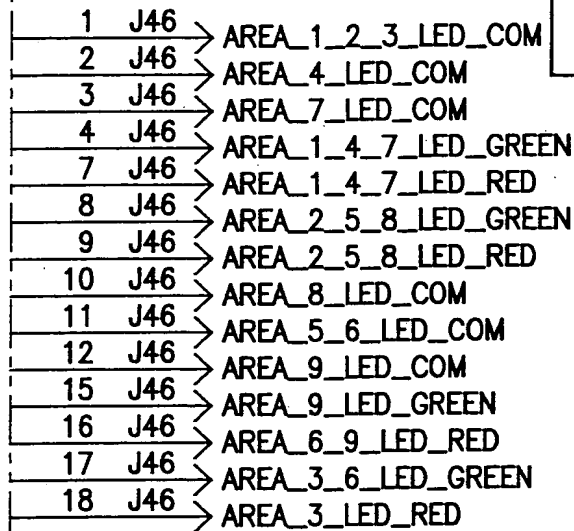


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FIG. 66W

OVERLAY LED PIN CONNECT		
AREA LED #	GREEN	RED
1	1-4	1-7
2	1-8	1-9
3	1-17	1-18
4	2-4	2-7
5	11-8	11-9
6	11-17	11-16
7	3-4	3-7
8	10-8	10-9
9	12-15	12-16

TO OVERLAY



+5VD

R170  
1K

5 J46 < TEST+\_SW1

6 J46 < TEST\_SW1

13 J46 < SILENCE+\_SW2

14 J46 < SILENCE\_SW2

FROM OVERLAY

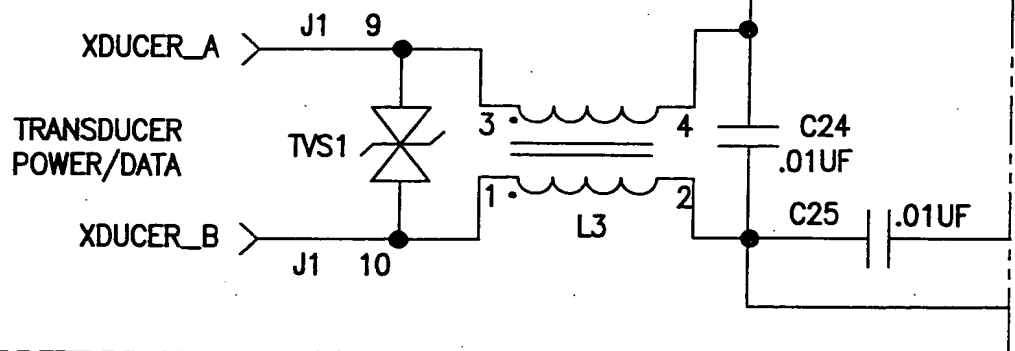
200210-2052200



		FIG. 67E	FIG. 67I	FIG. 67M		
FIG. 67A	FIG. 67B	FIG. 67F	FIG. 67J	FIG. 67N	FIG. 67Q	FIG. 67T
	FIG. 67C	FIG. 67G	FIG. 67K	FIG. 67O	FIG. 67R	FIG. 67U
	FIG. 67D	FIG. 67H	FIG. 67L	FIG. 67P	FIG. 67S	

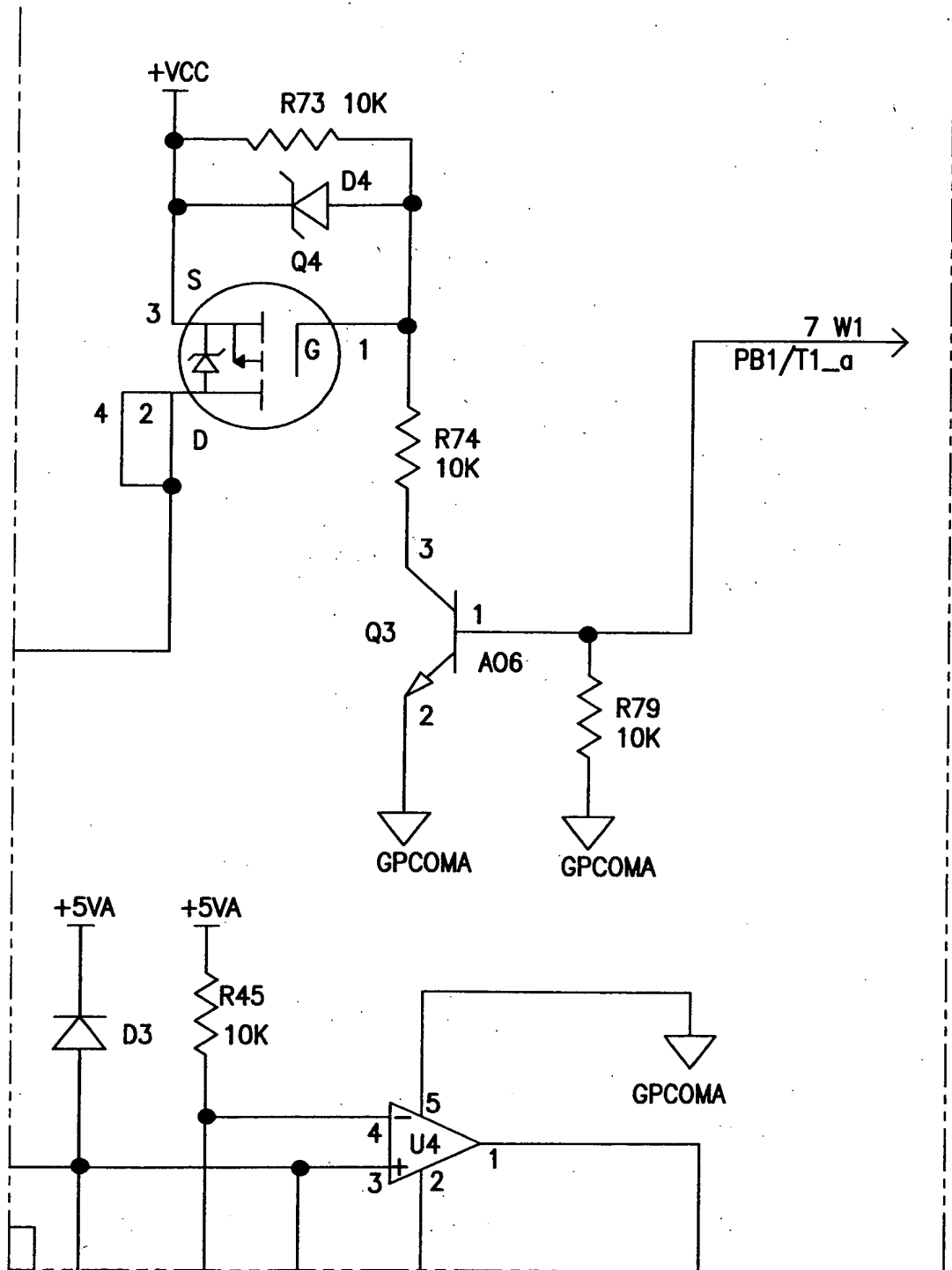


FIG. 67A



00000000 010000

FIG. 67B



2025-01-20 20:22:00

202510-20522000

FIG. 67C

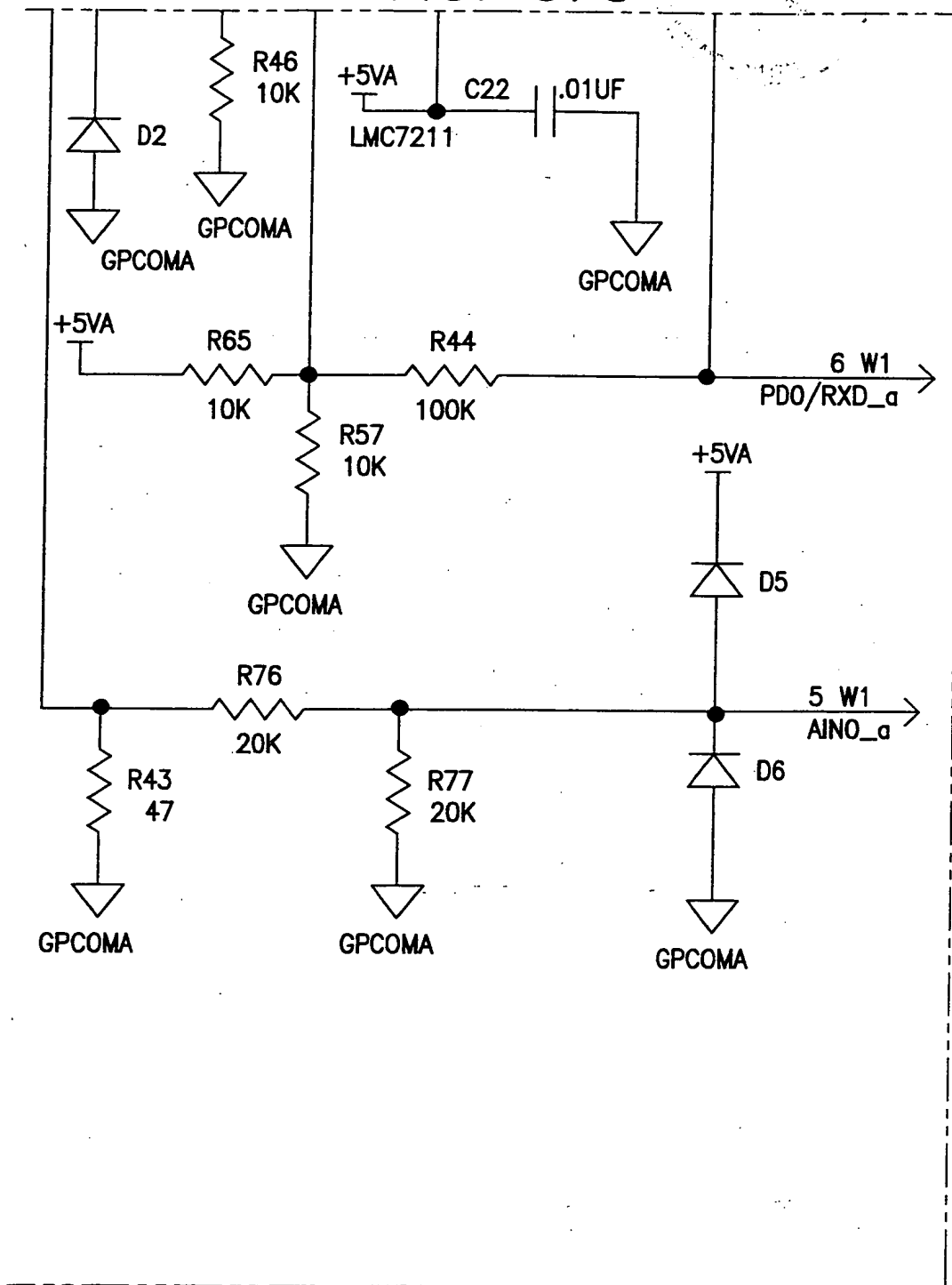
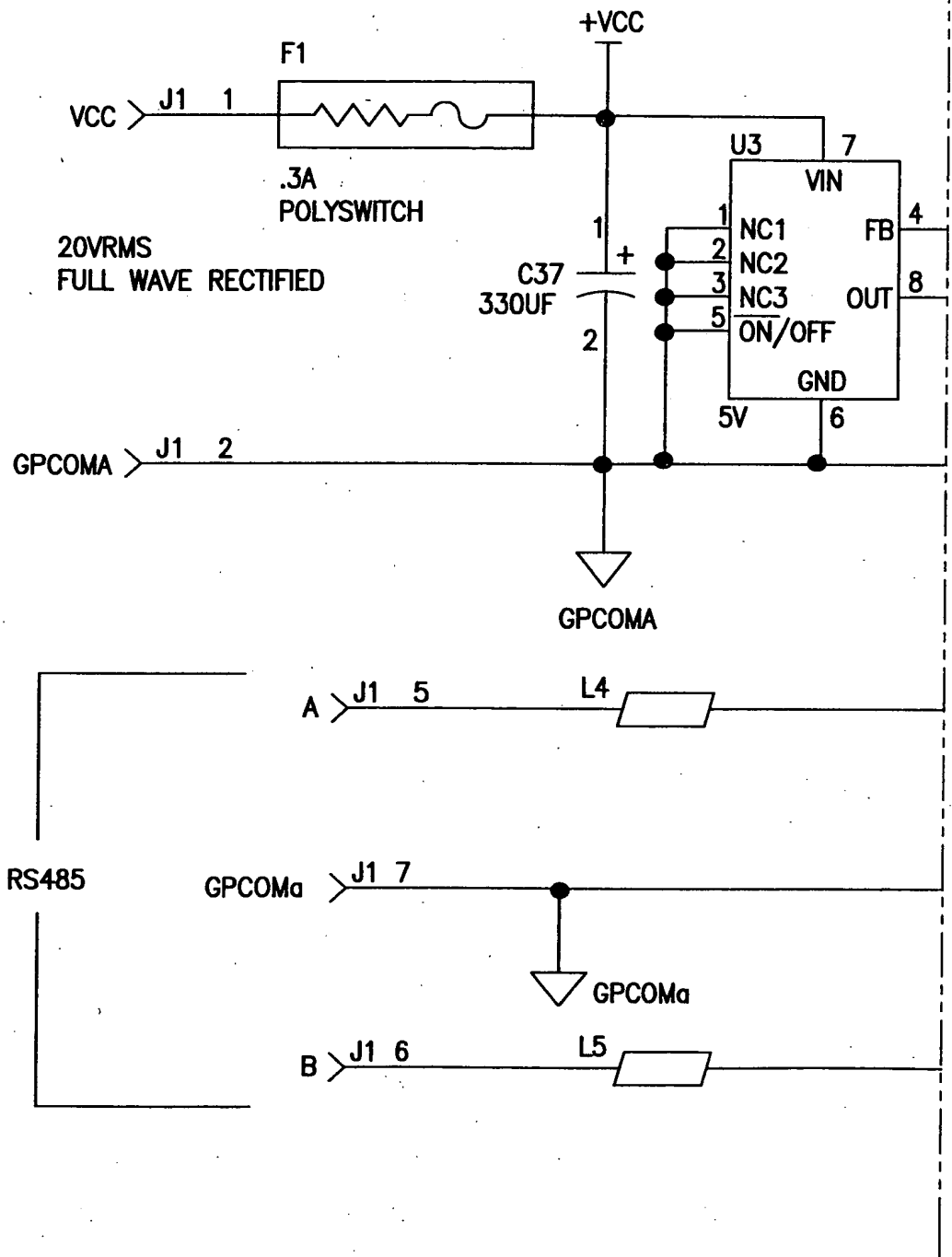


FIG. 67D



20020101 20020101

FIG. 67E

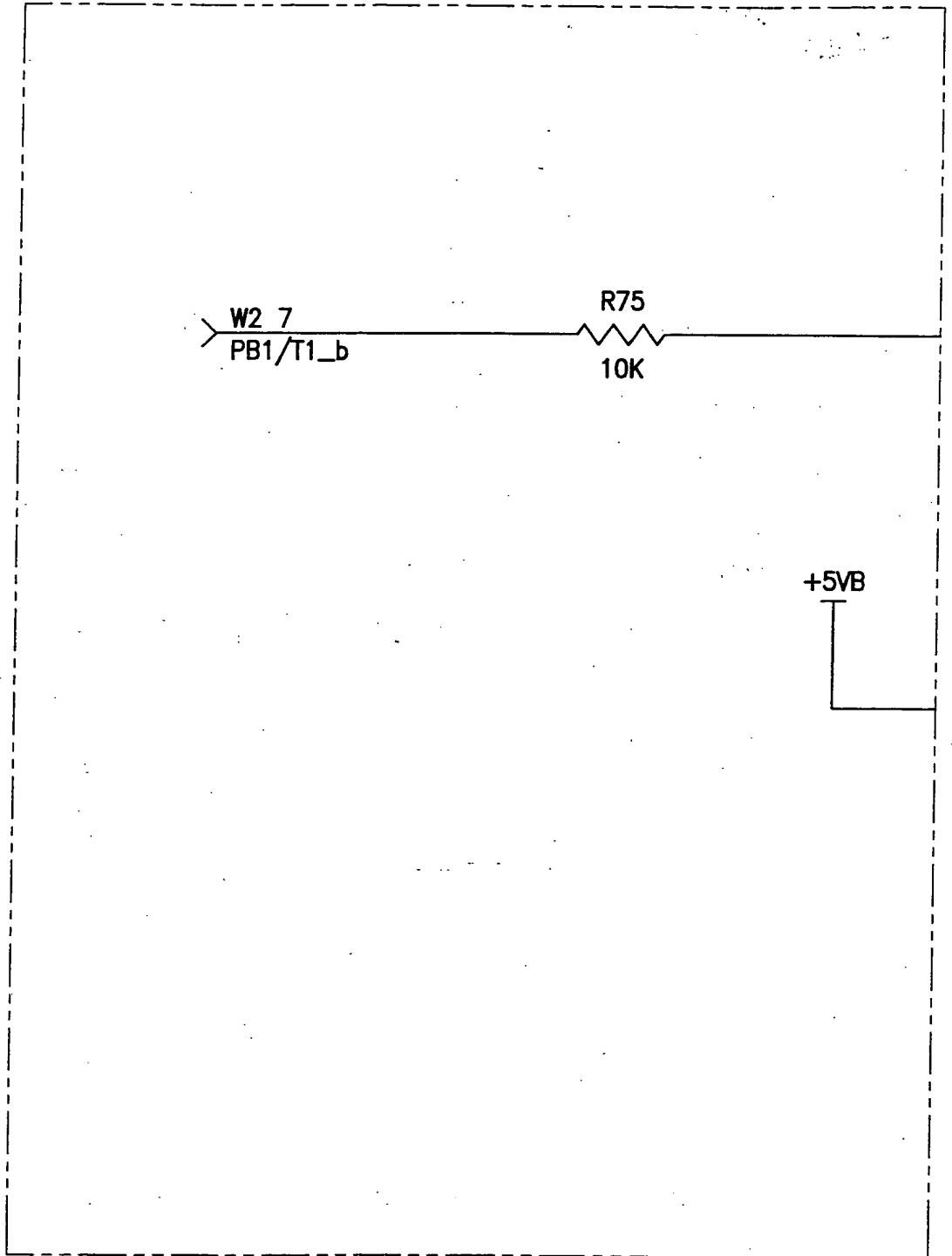
AUX\_ALARM > J1 3 10W1  
AUX\_ALARM\_A >

MAIN\_ALARM > J1 4 9 W1  
MAIN\_ALARM\_A >

GUARDED\_ACCESS > J1 8 8 W1  
GUARDED\_ACCESS\_A >

200210 2052200

FIG. 67F



200270-20522600

FIG. 67G

W2 6  
PDO/RXD\_b

W2 5  
AINO\_b

AINO

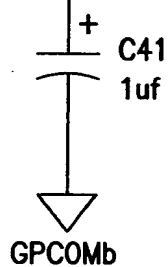
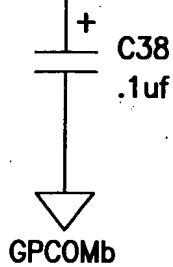
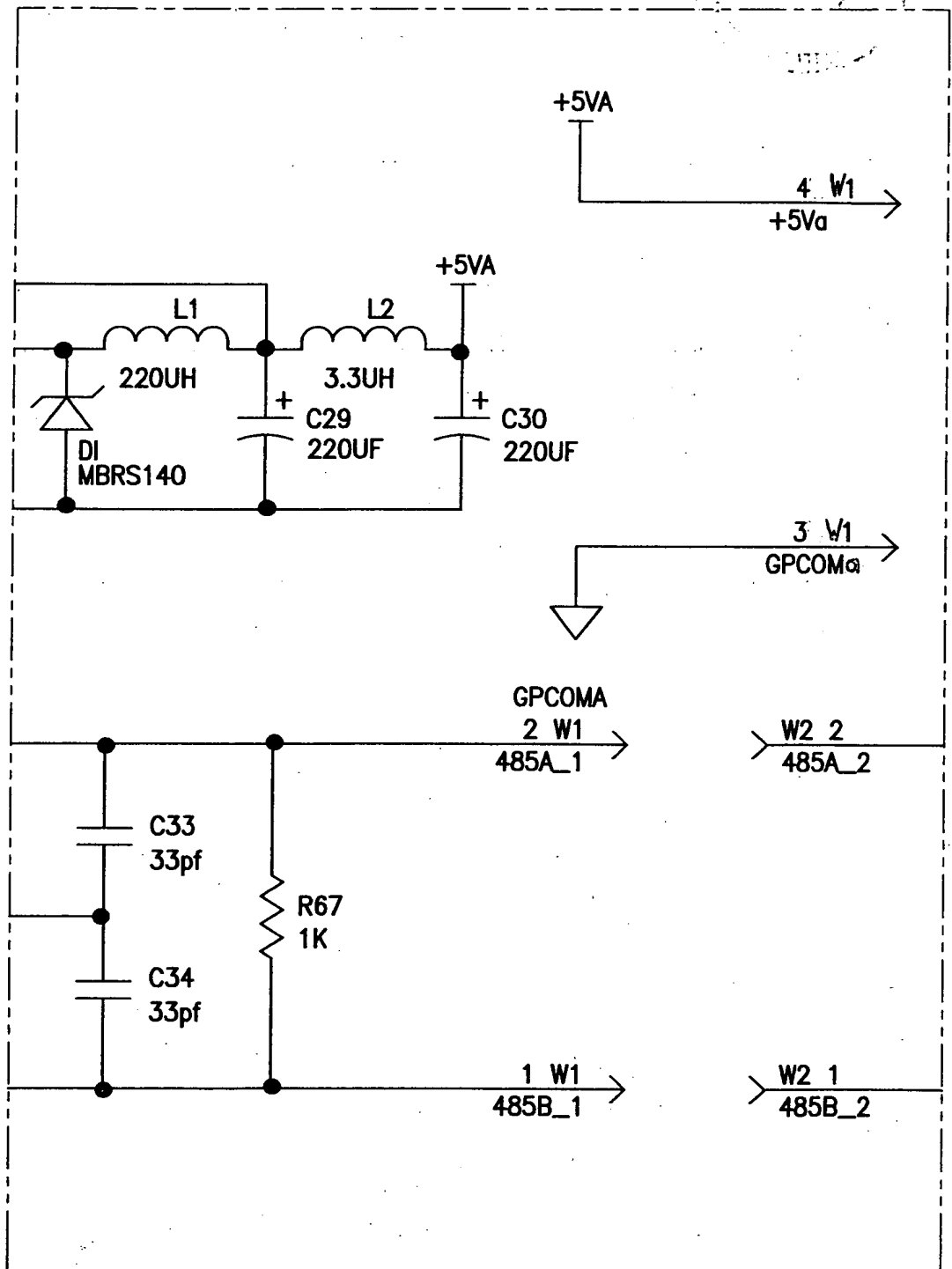


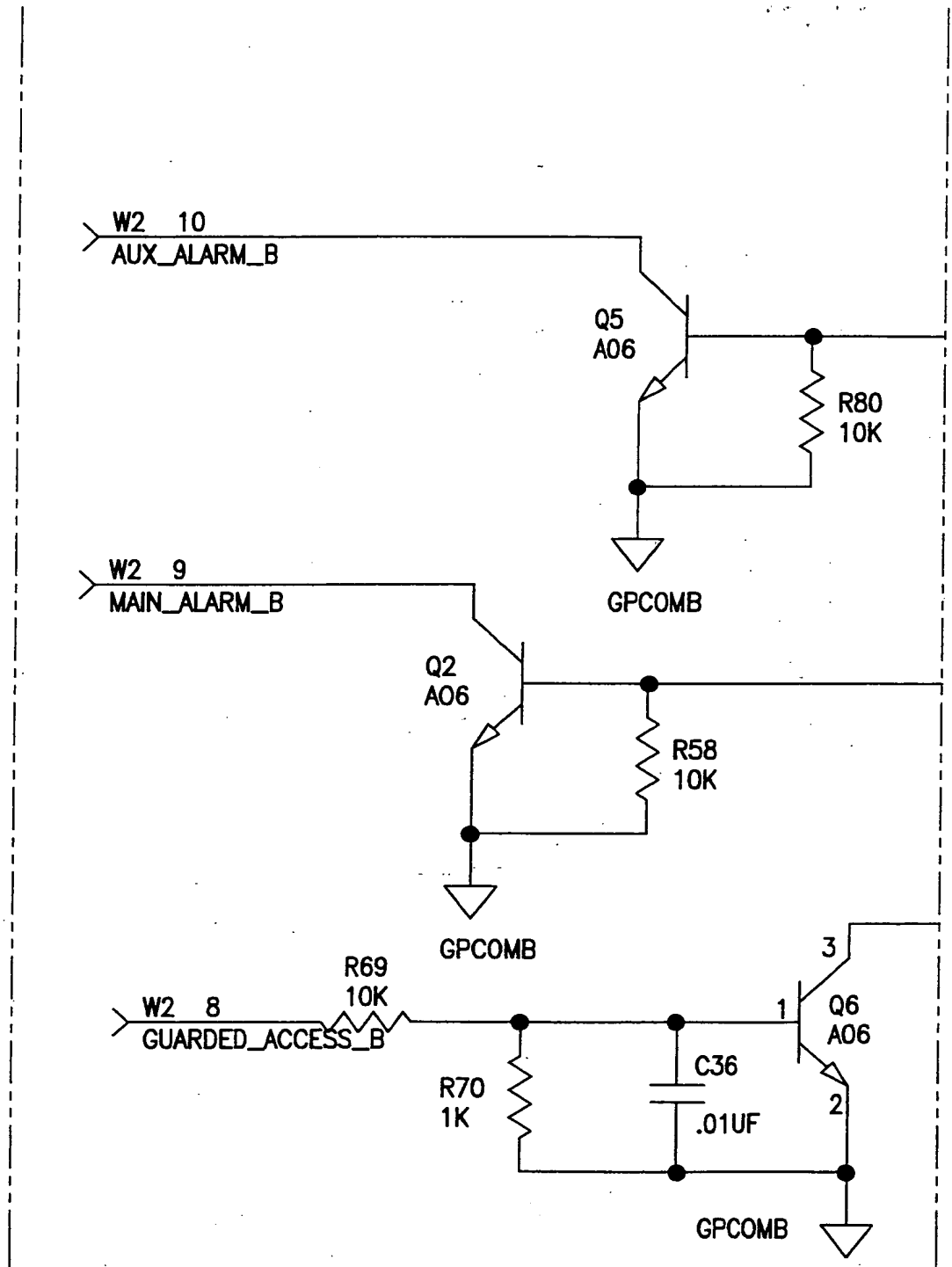
FIG. 67H



200210 2052200



FIG. 67I



202210-2092200

FIG. 67J

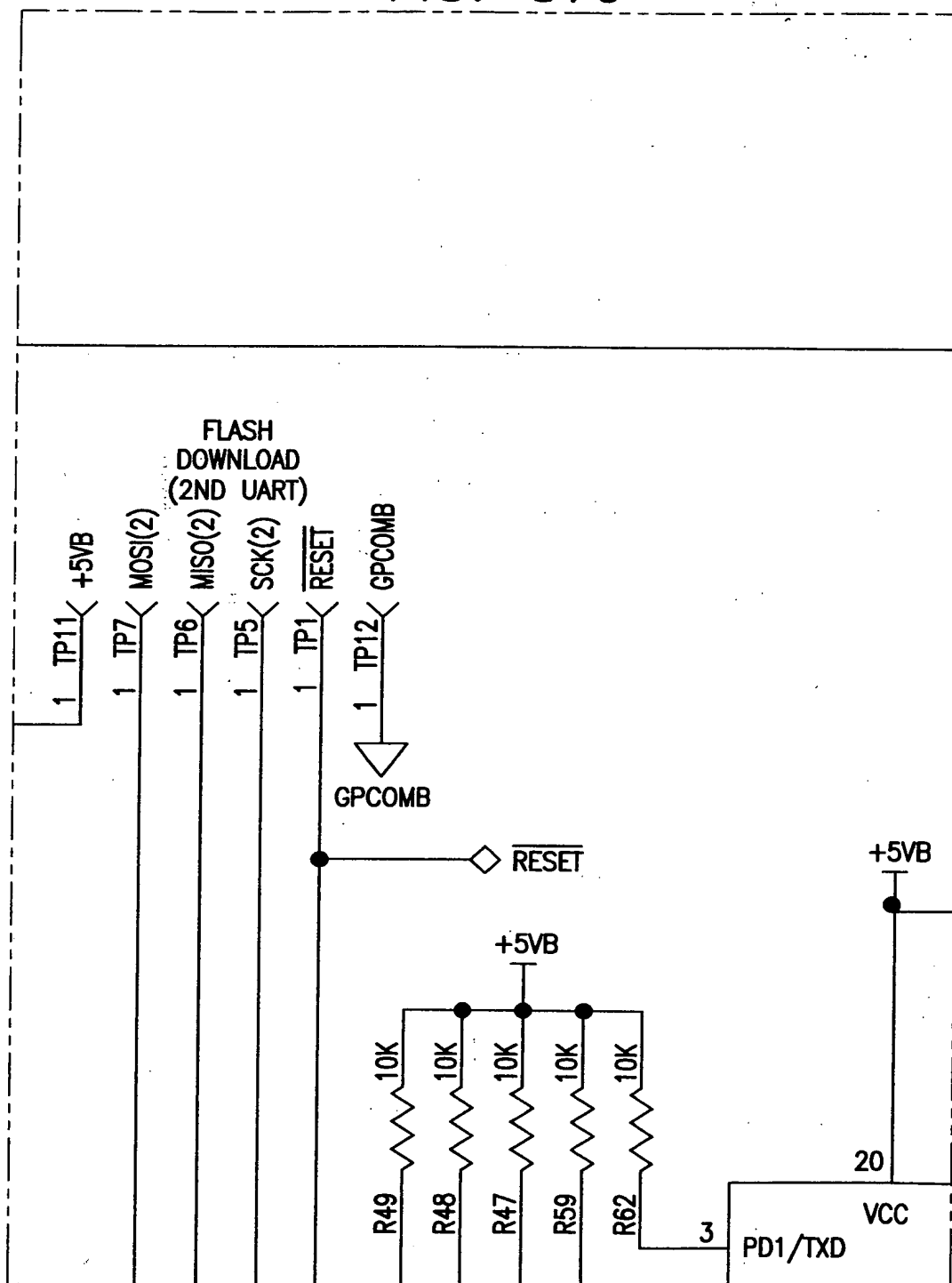
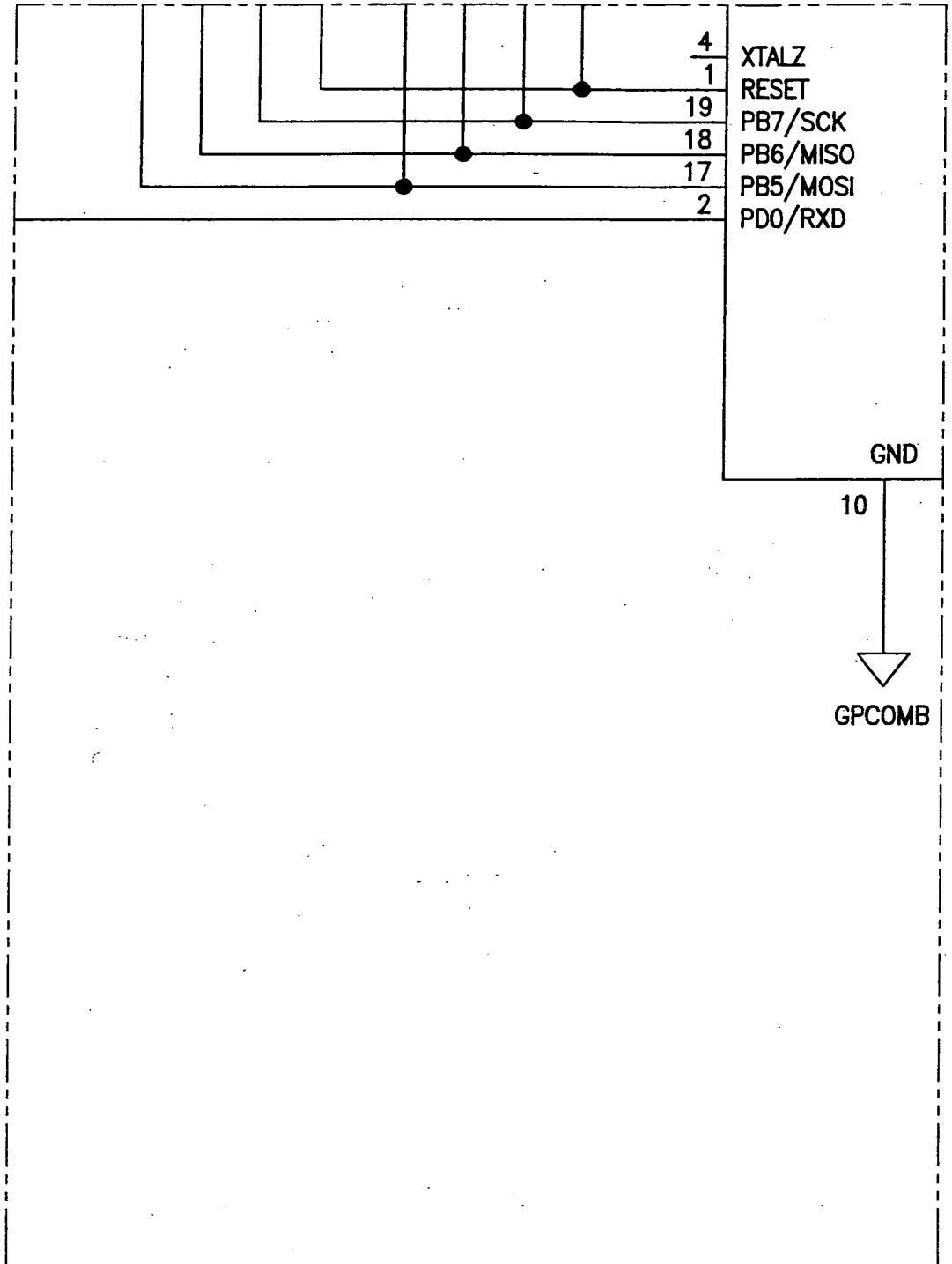
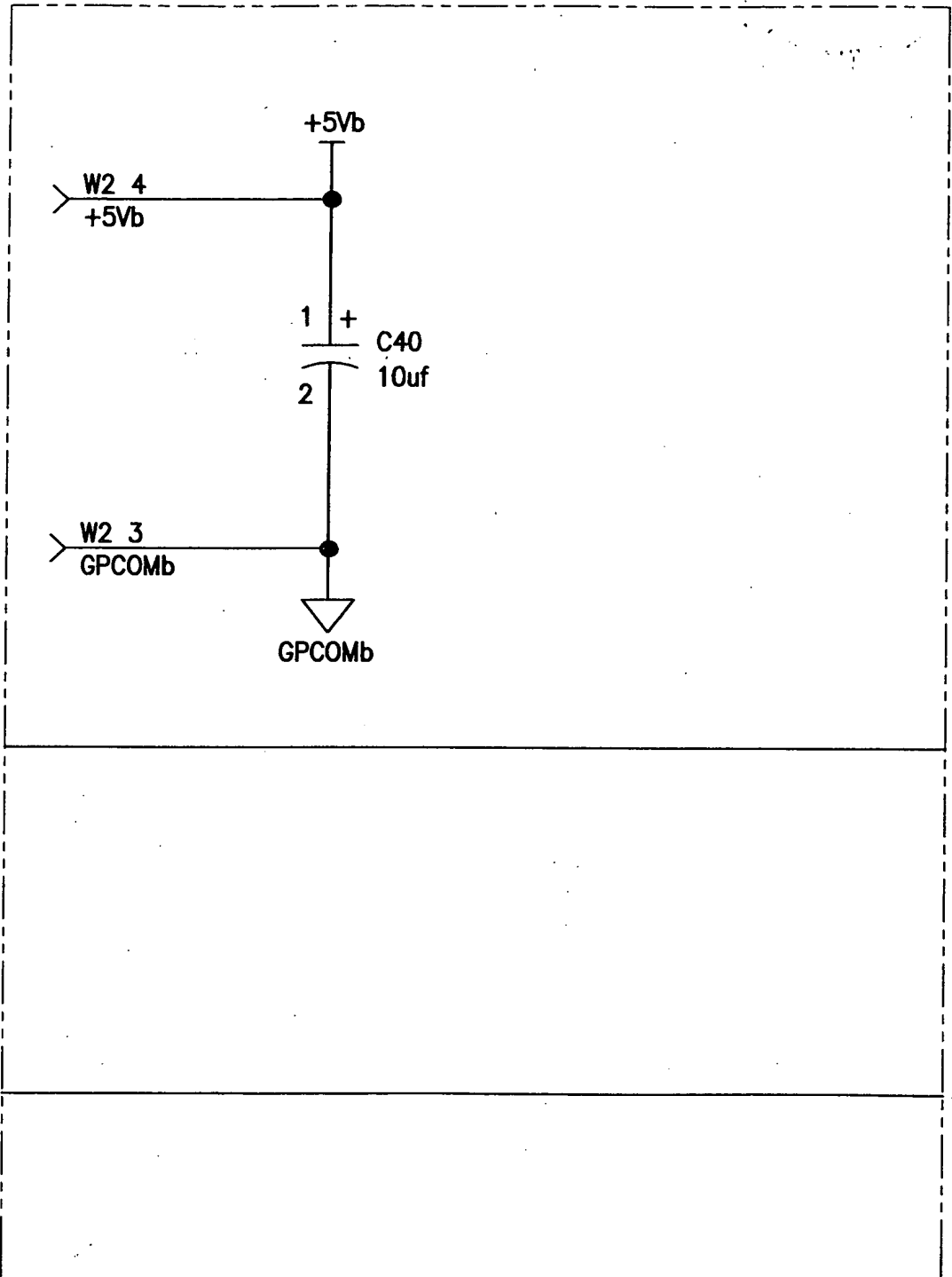


FIG. 67K



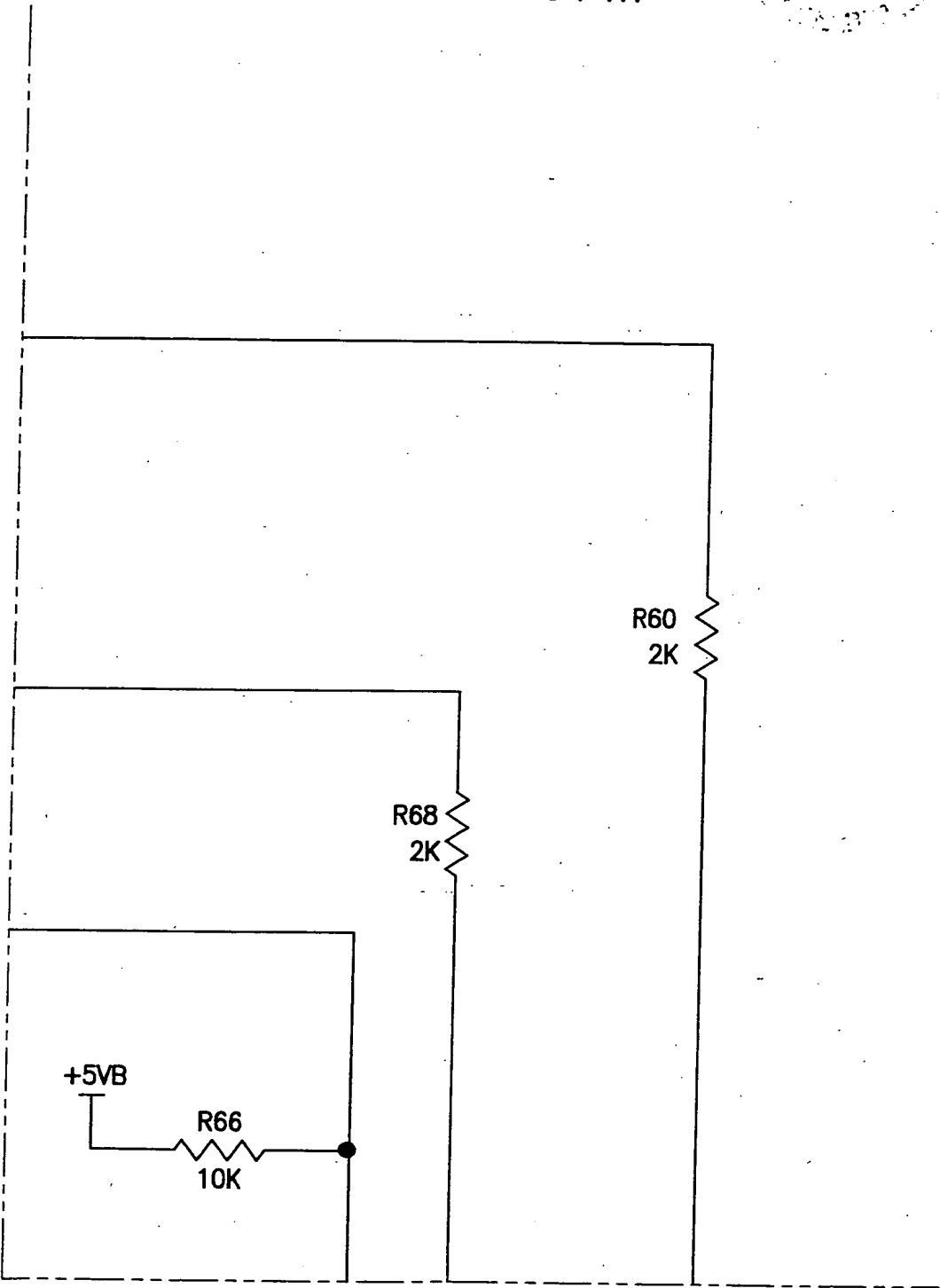
205210 2052200

FIG. 67L



2025-01-20 20:22:00

FIG. 67M



2022-04-20 14:00

20522660

FIG. 67N

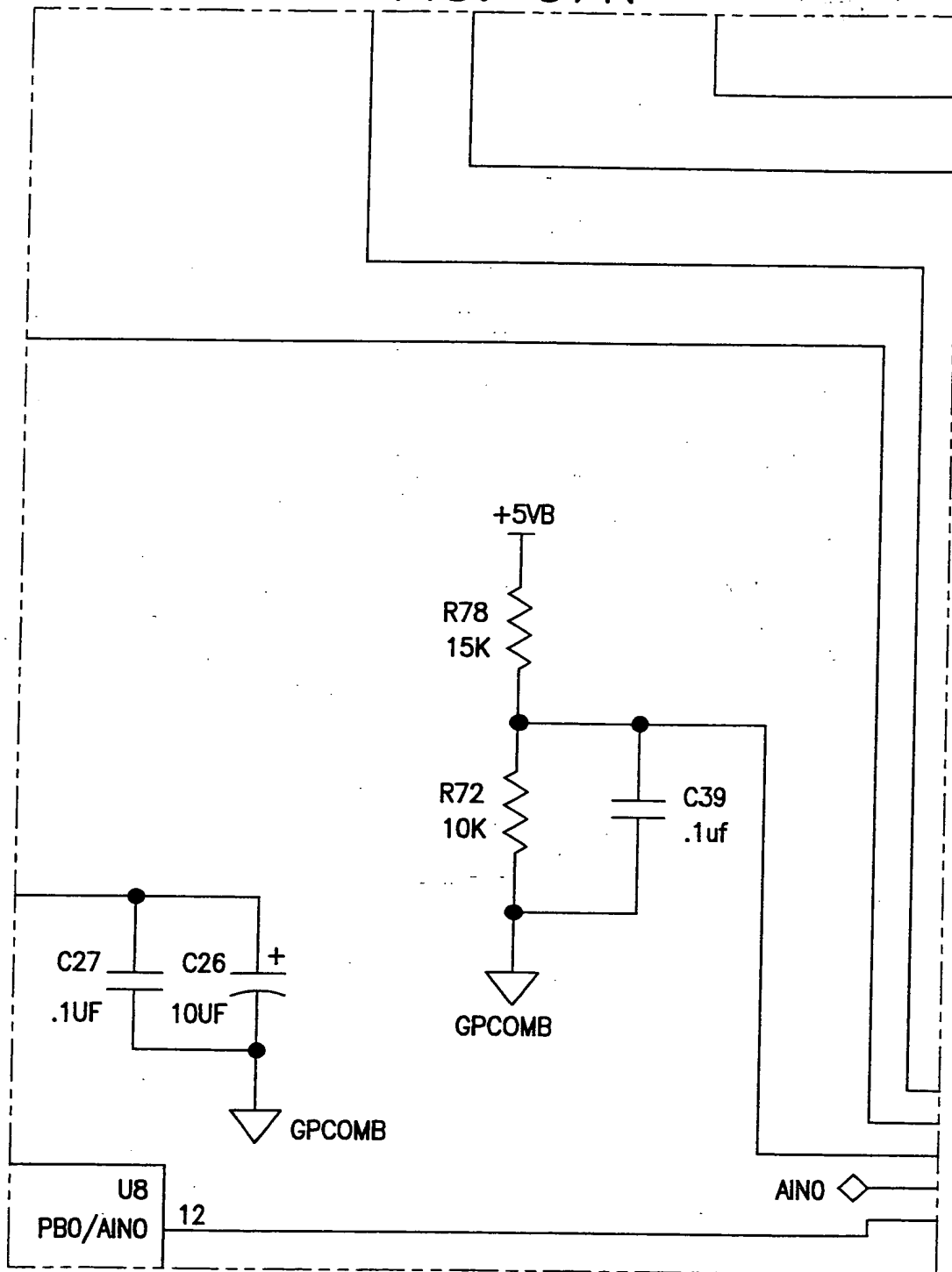
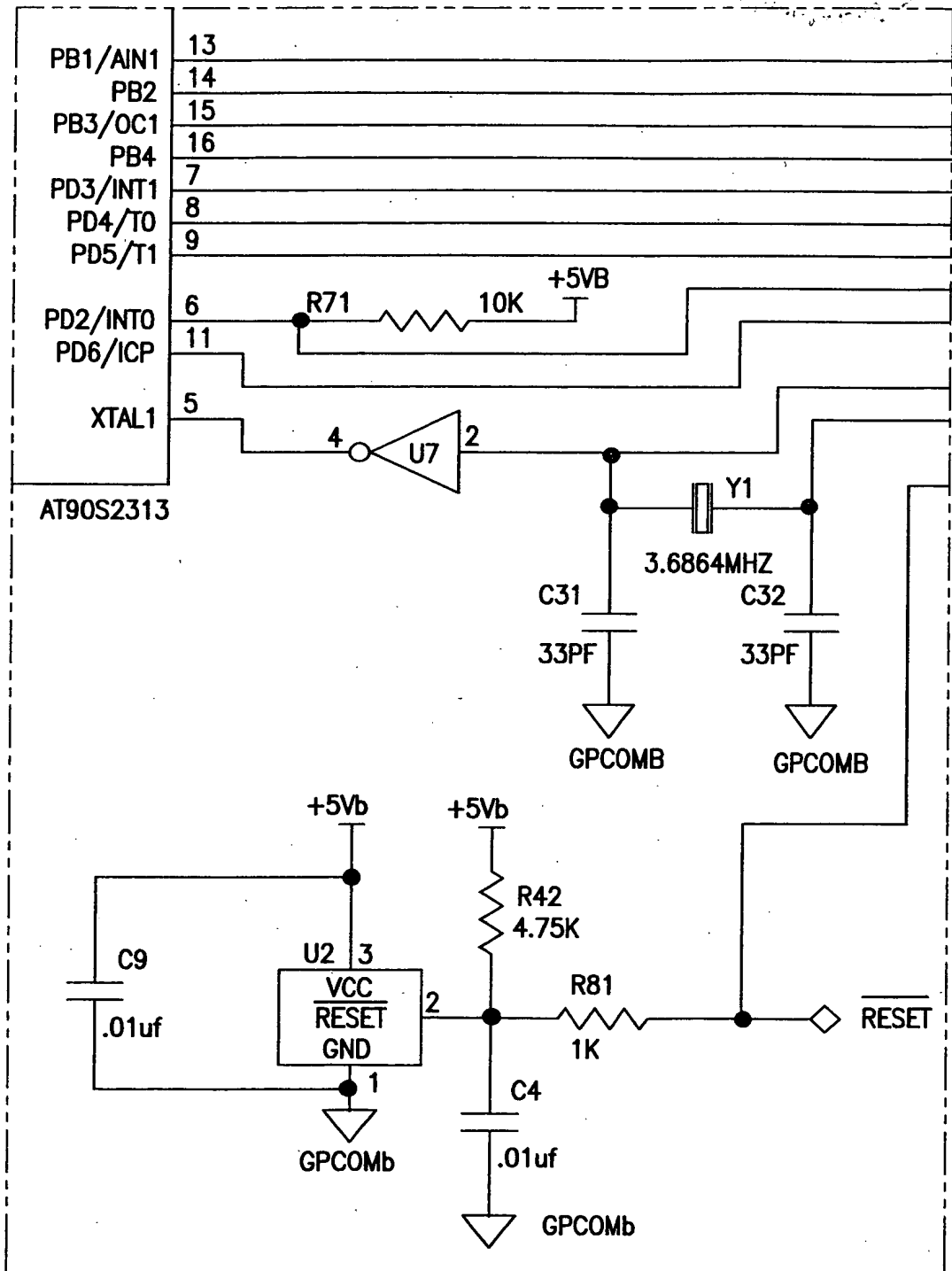
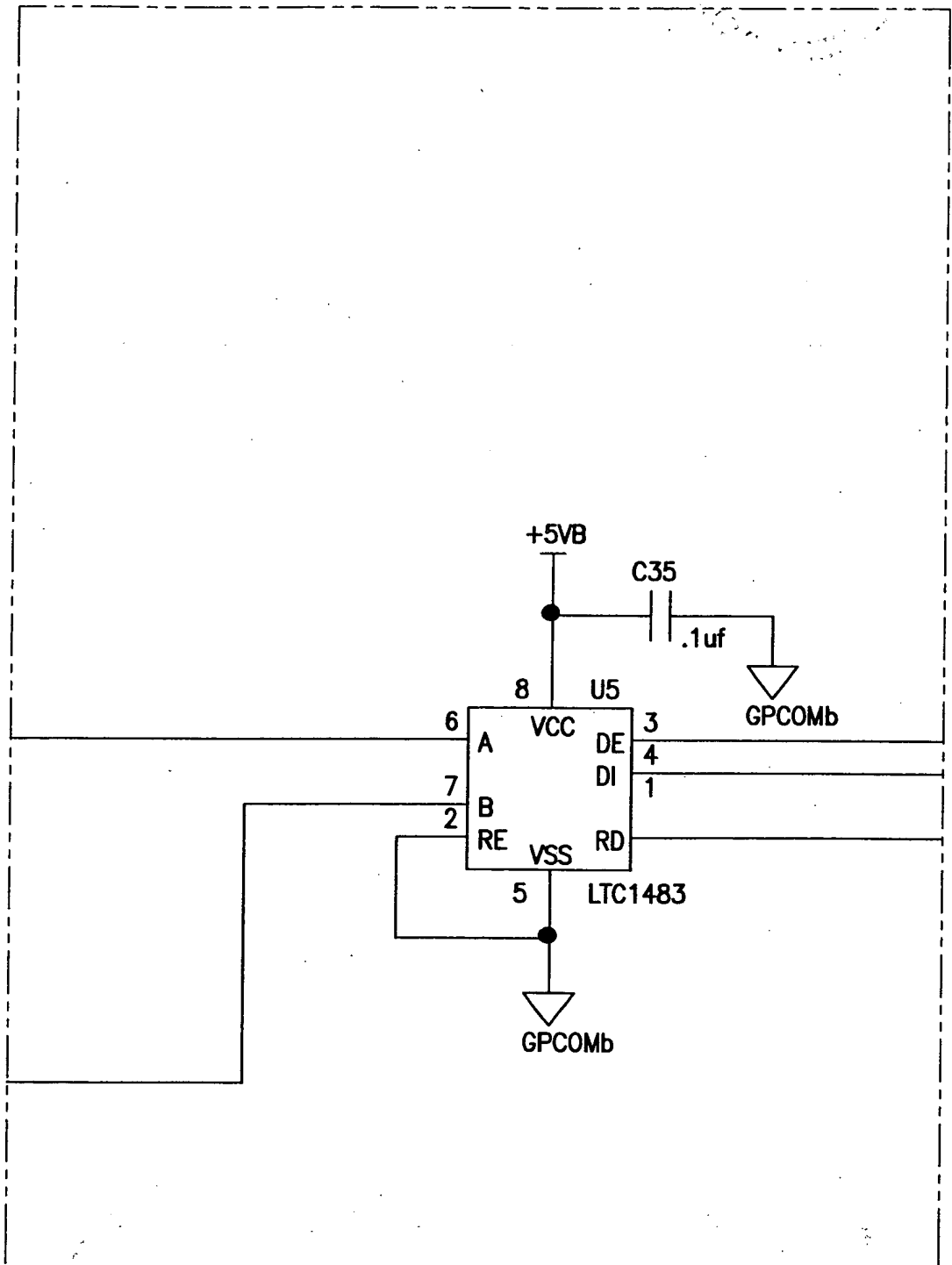


FIG. 670



205270-20522660

FIG. 67P



000000-010000



FIG. 70A	FIG. 70C	FIG. 70E	FIG. 70G	FIG. 70I
FIG. 70B	FIG. 70D	FIG. 70F	FIG. 70H	FIG. 70J

FIG. 70A

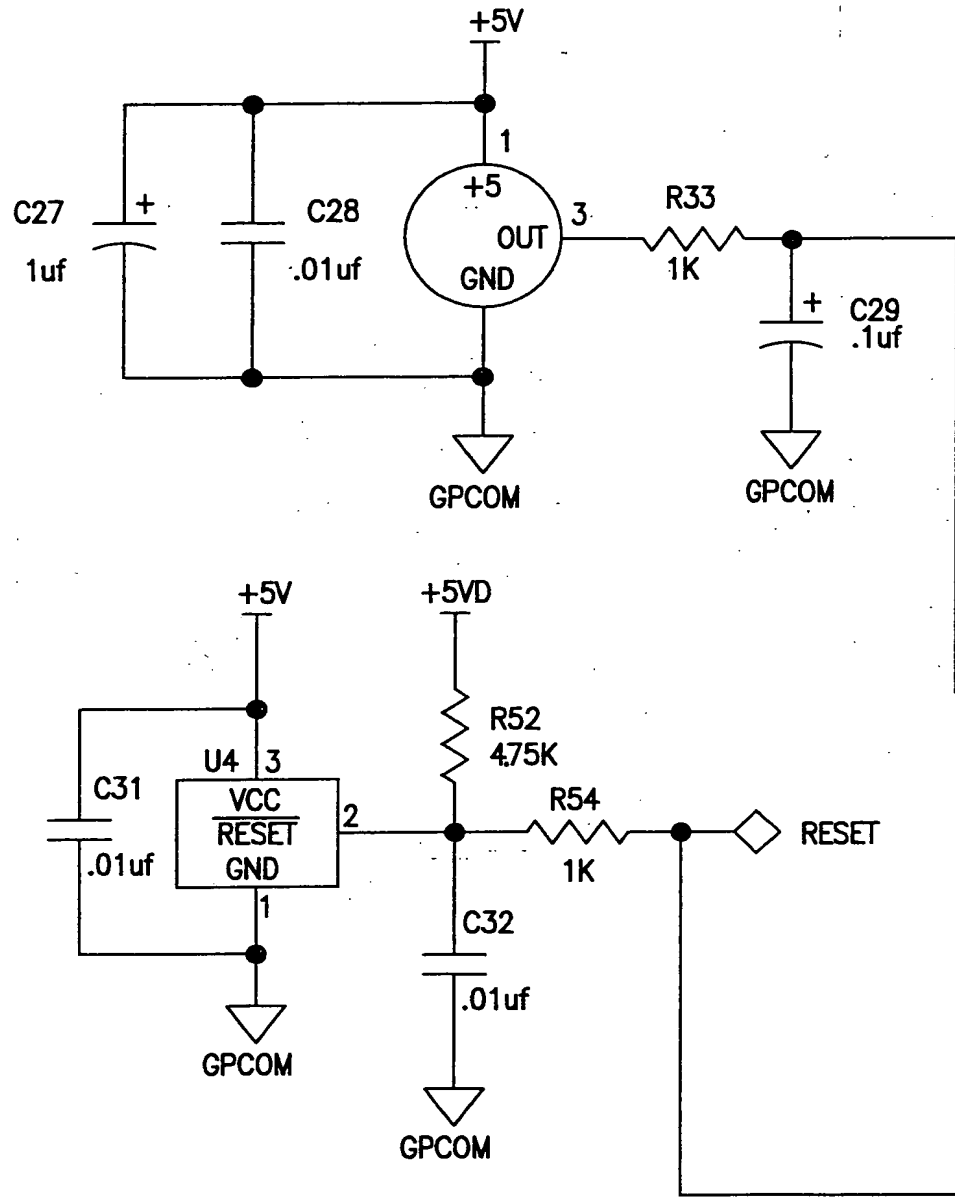
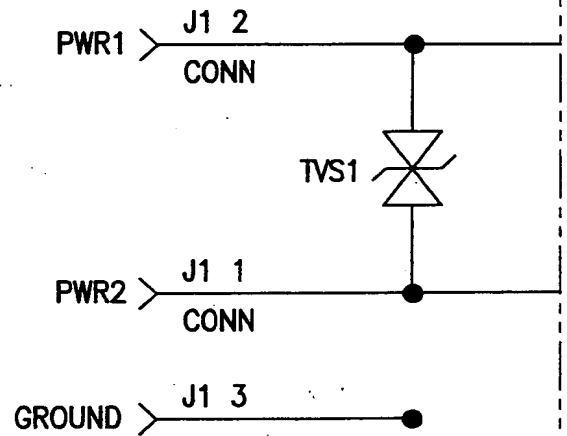
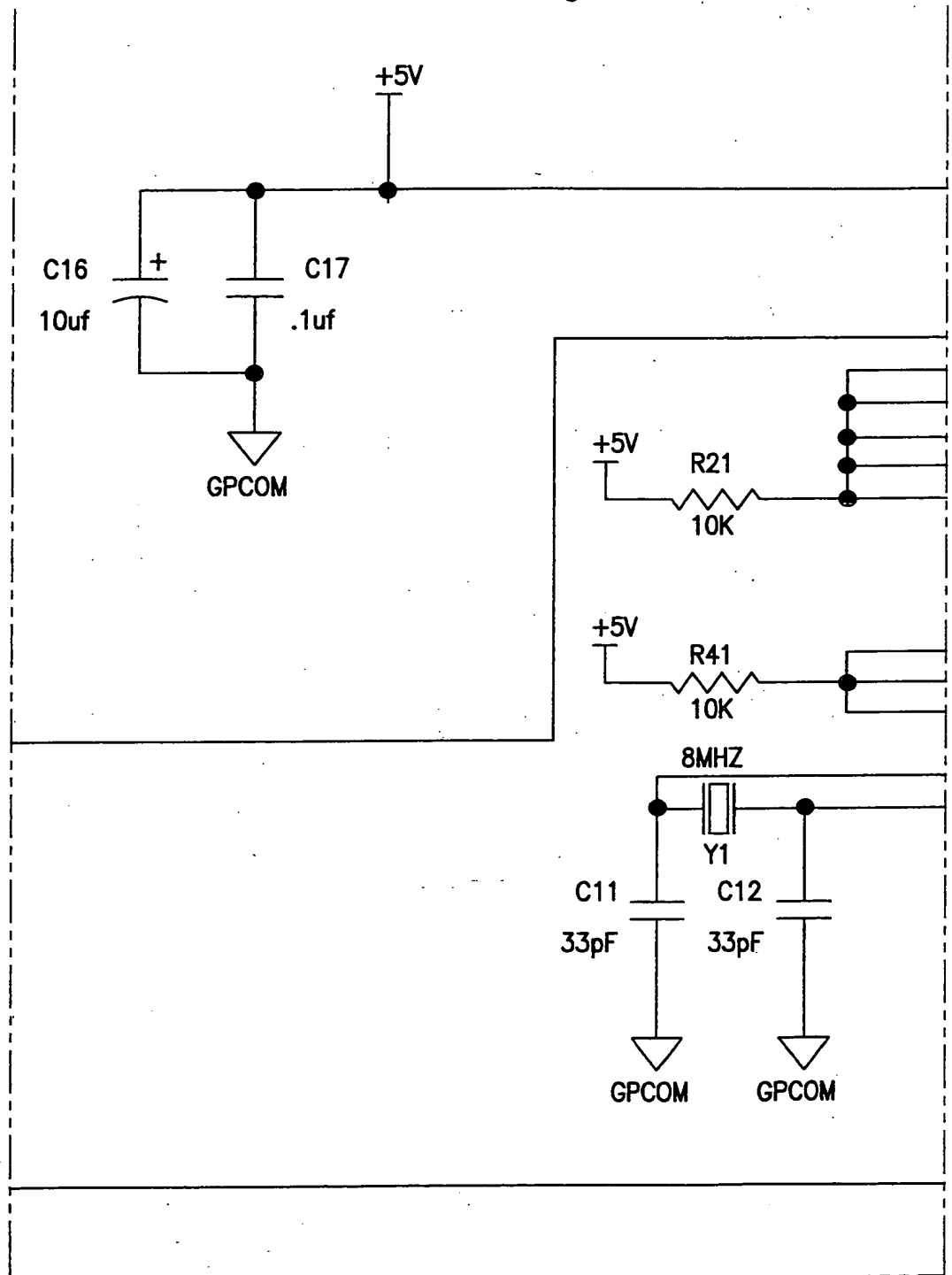


FIG. 70B



202510-20322000

FIG. 70C



205270-20522000

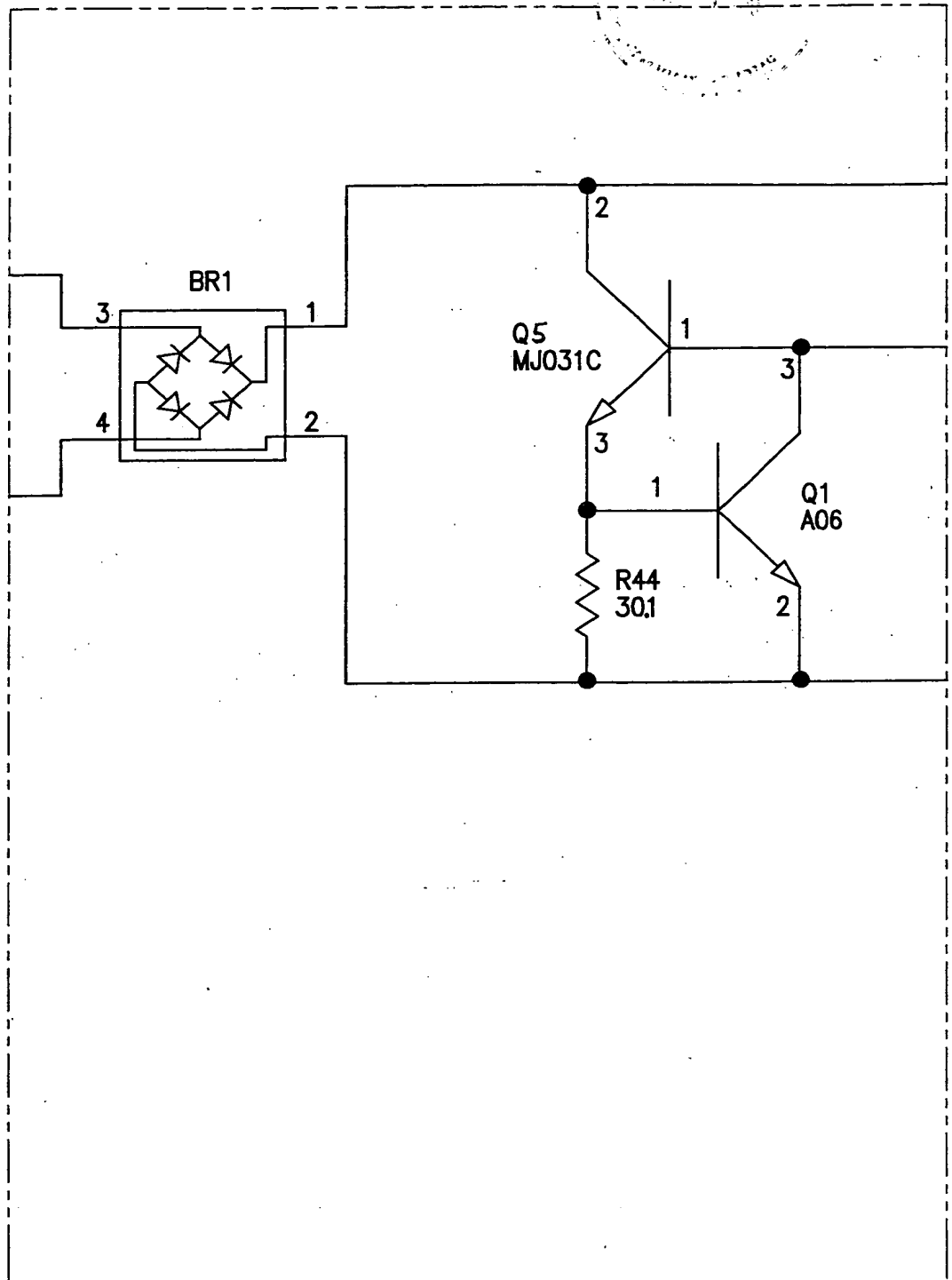
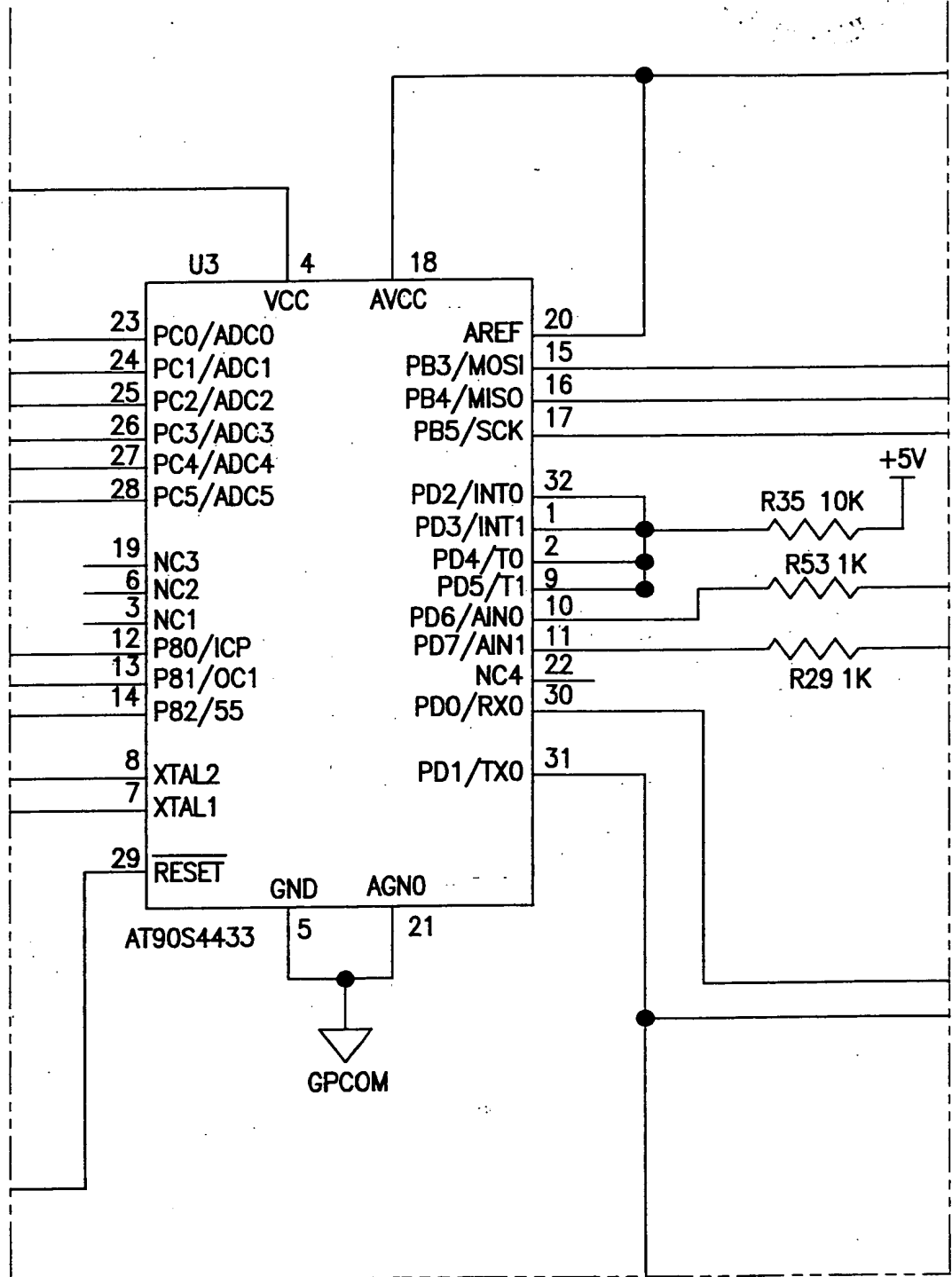
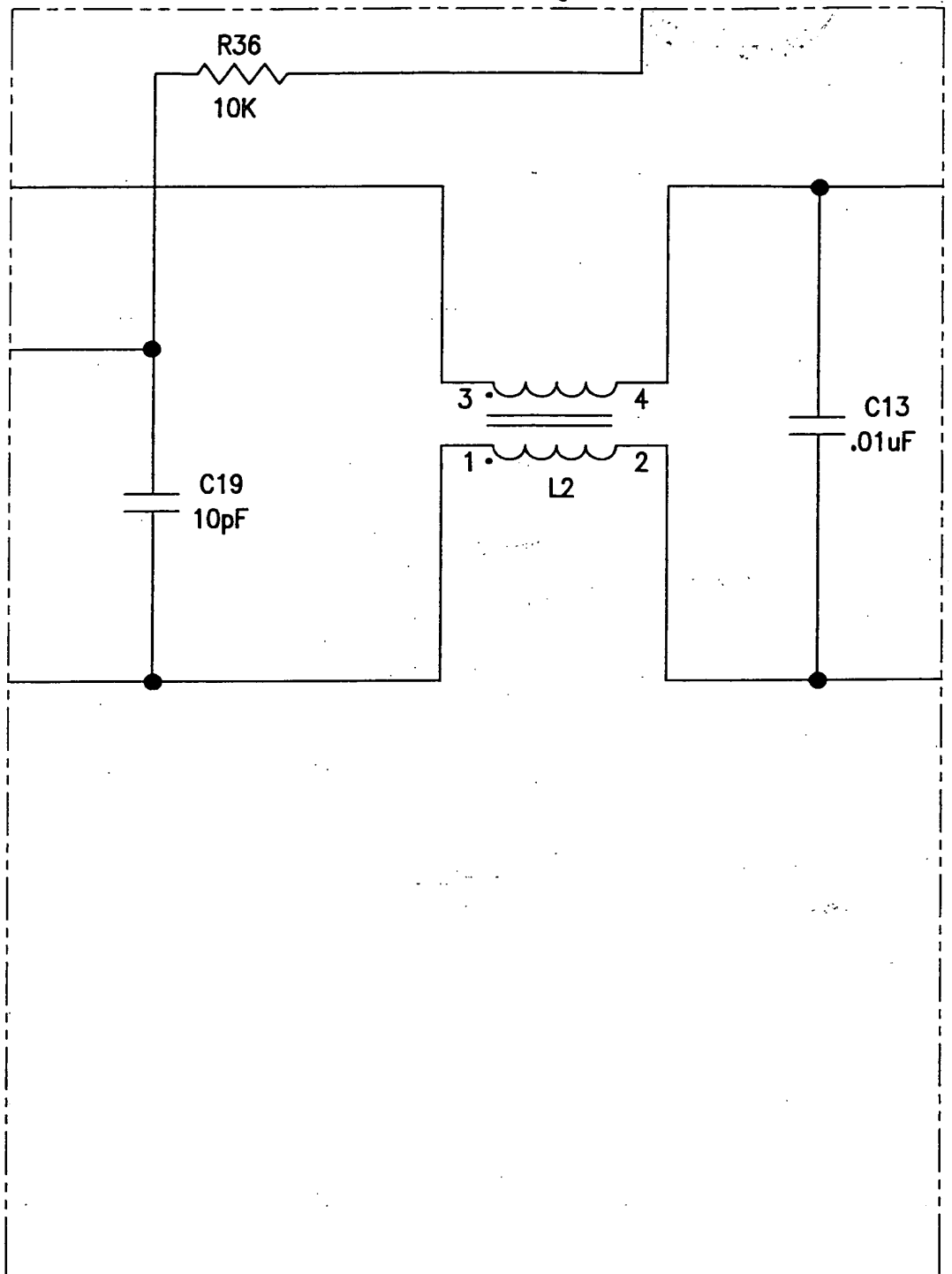
[illegible]

FIG. 70E



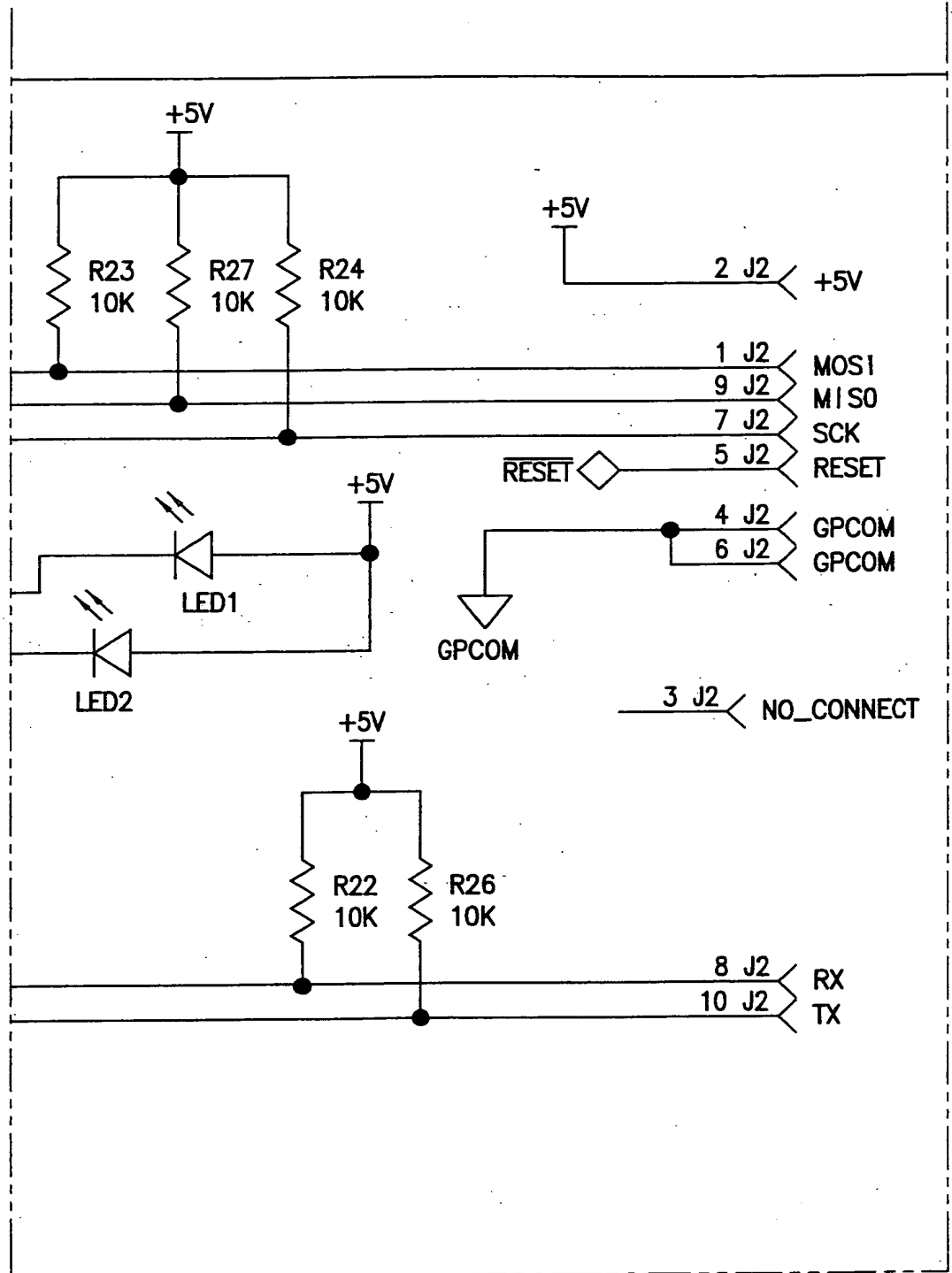
2025-07-20 10:00:00

FIG. 70F



000000-01000

FIG. 70G

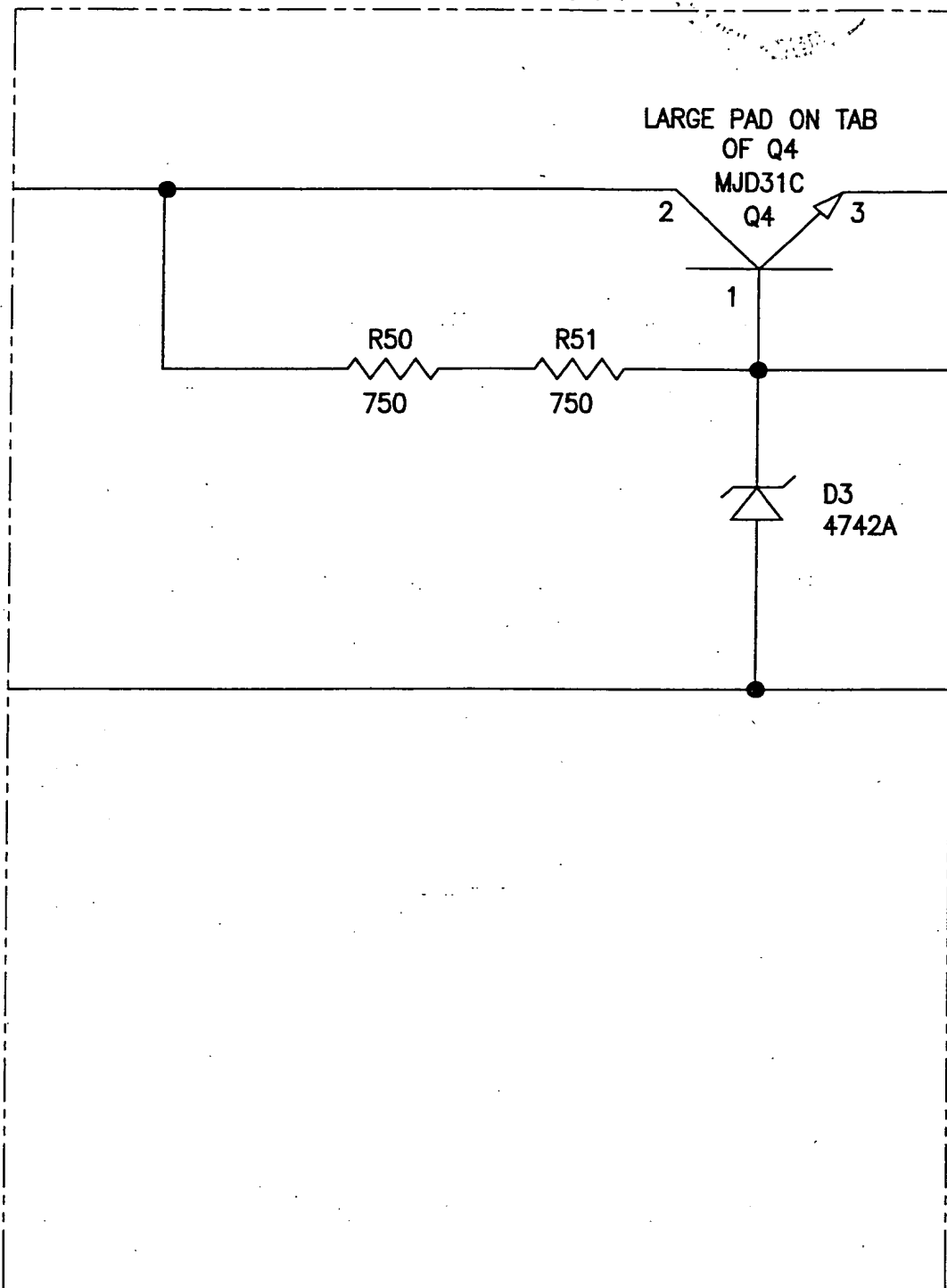


2025-10-20 14:22:00



000000-01000

FIG. 70H



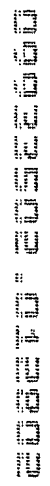
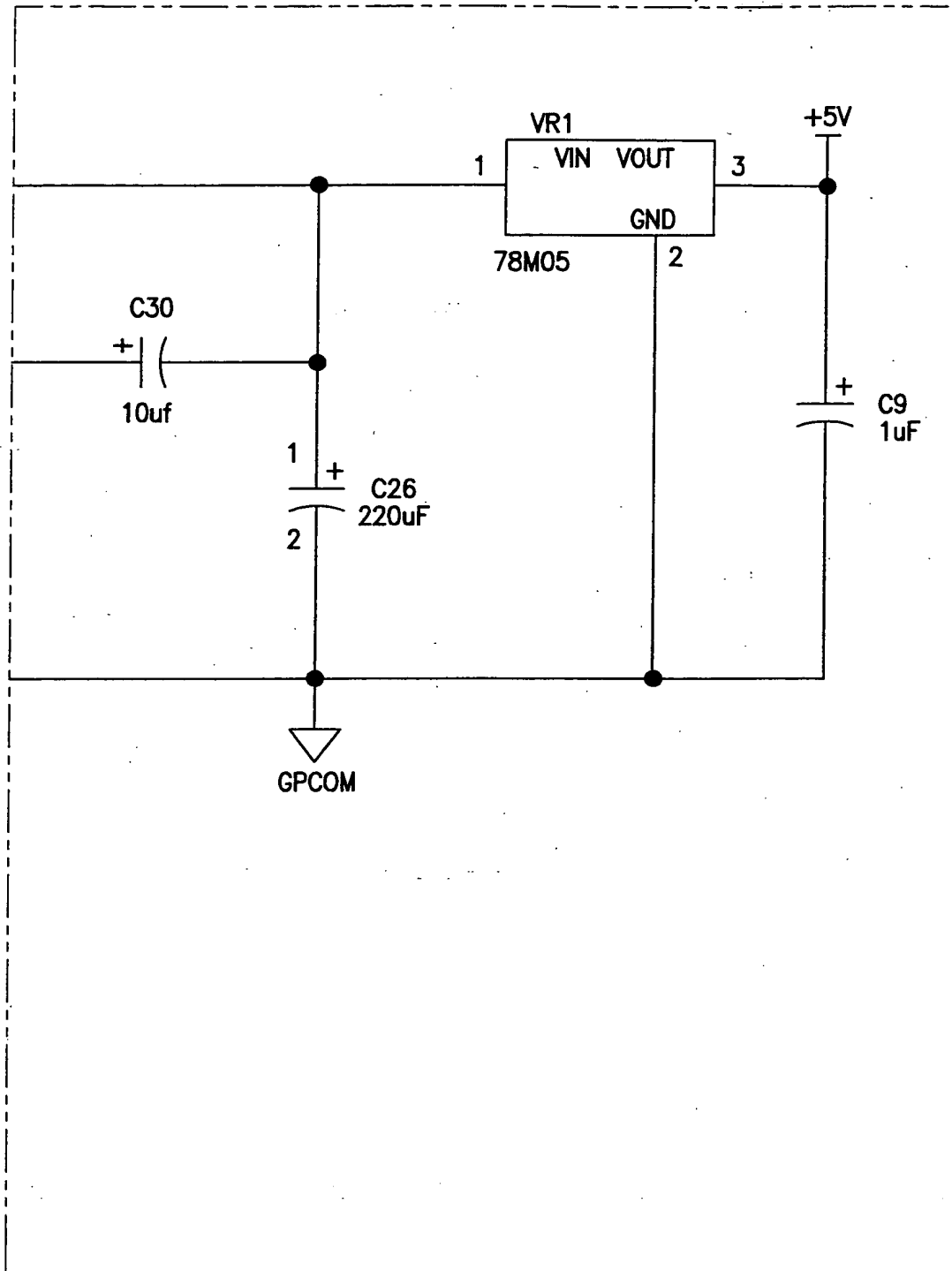


FIG. 70J



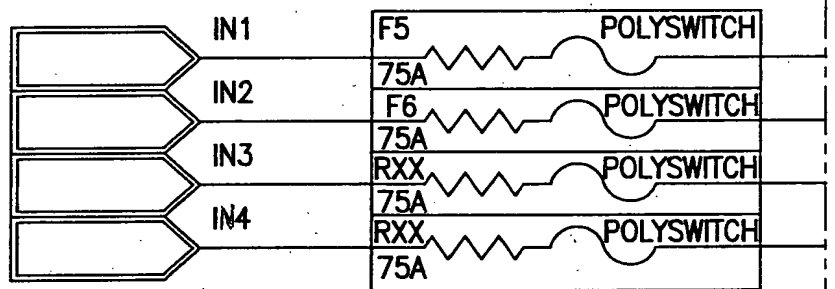
200670-20522660

FIG. 71

FIG. 71A	FIG. 71B	FIG. 71C	FIG. 71D
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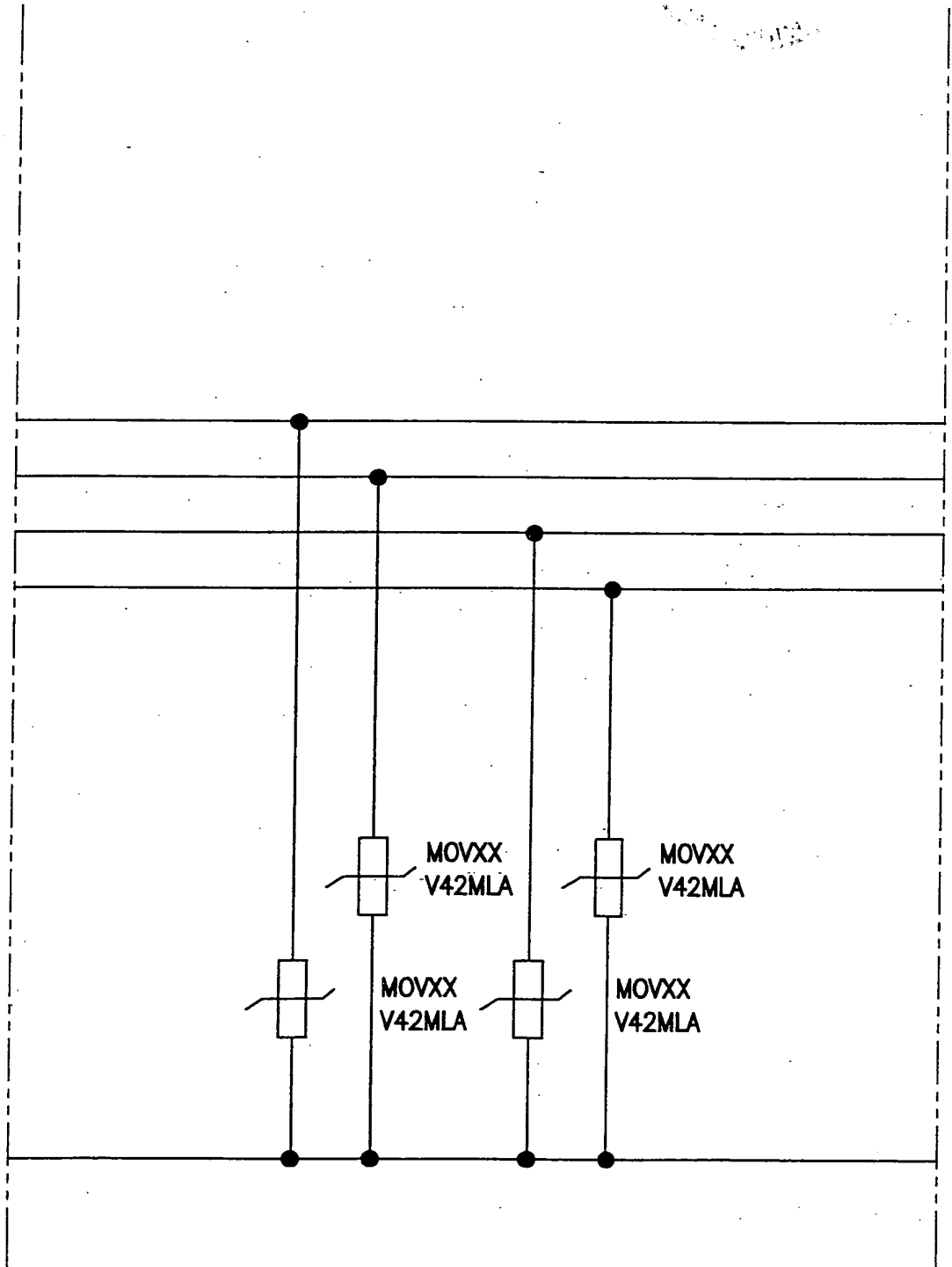
2025-07-20 20:20:00

FIG. 71A



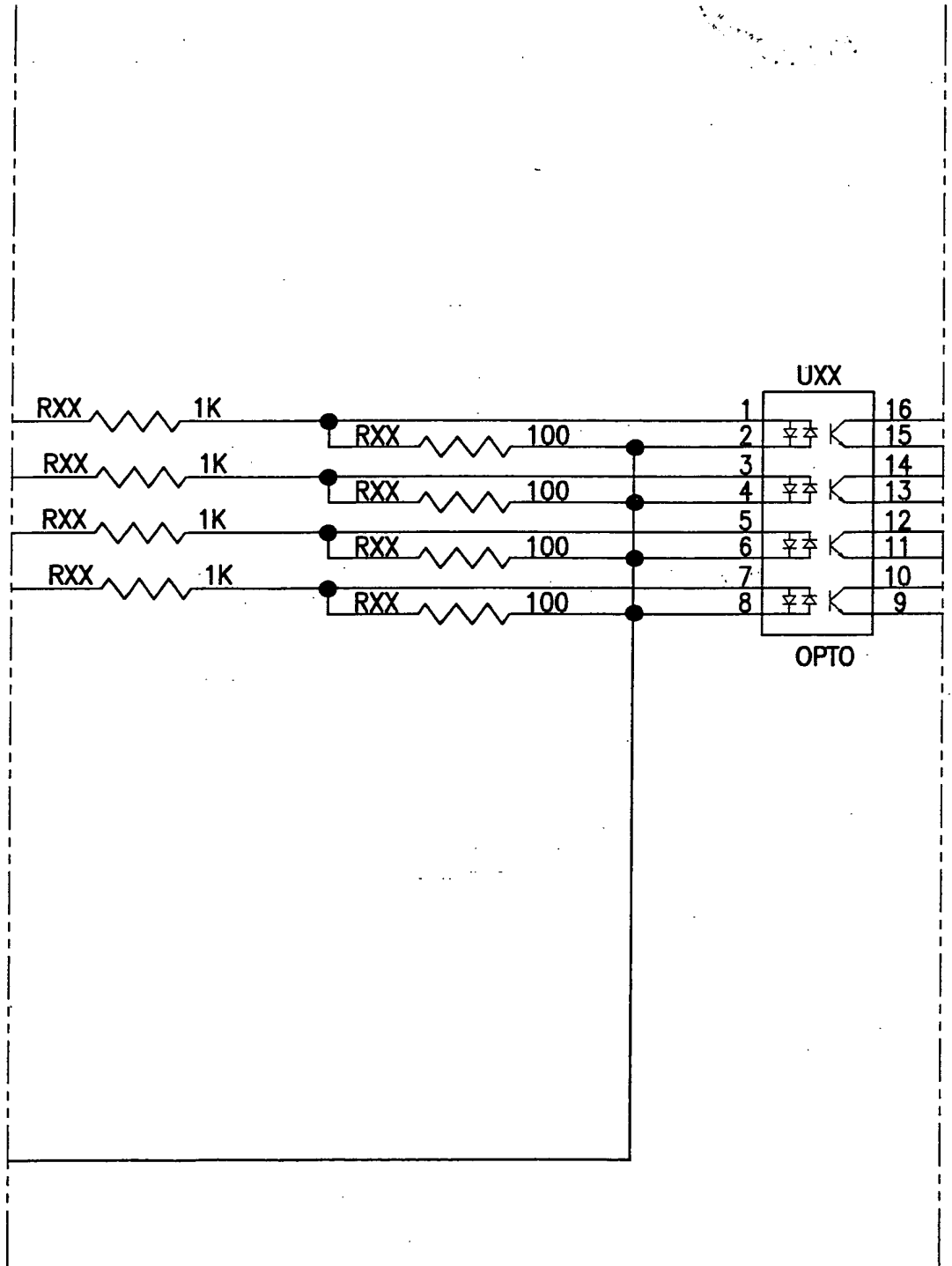
ACGND

FIG. 71B



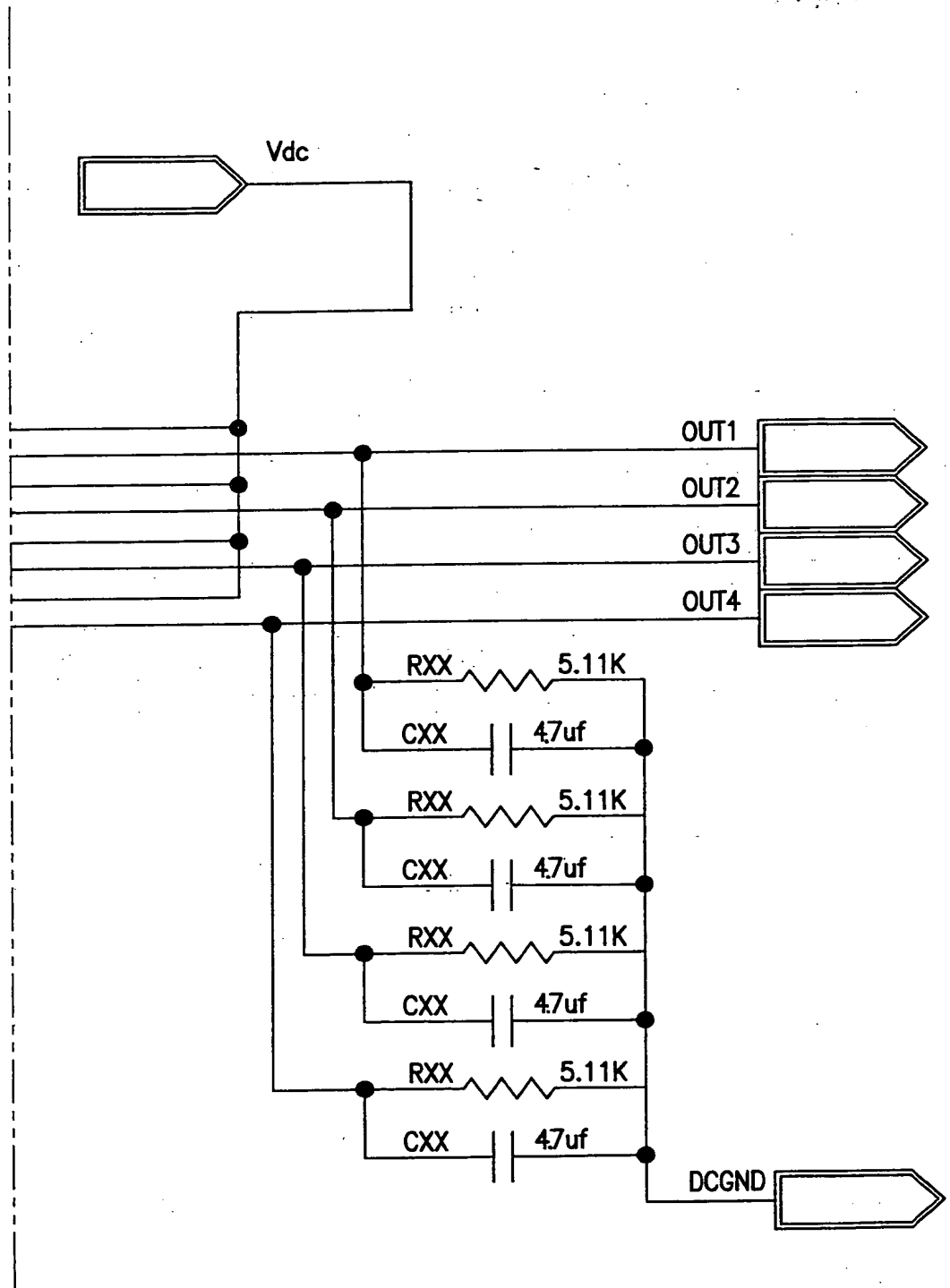
2025-01-20 10:00:00

FIG. 71C



205270-20522000

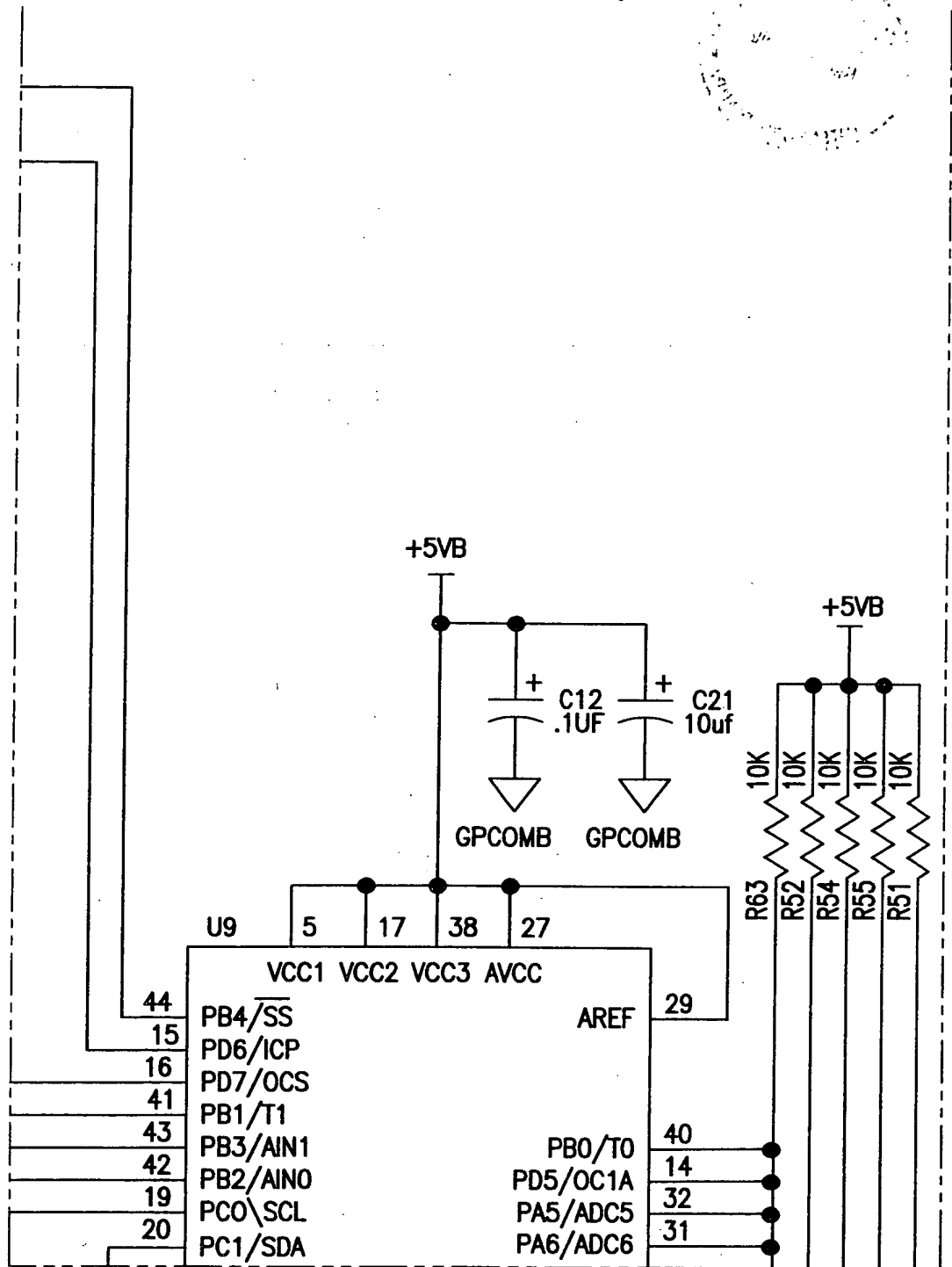
FIG. 71D



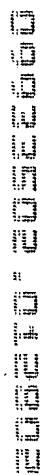
000000-000000



FIG. 67Q



• • •



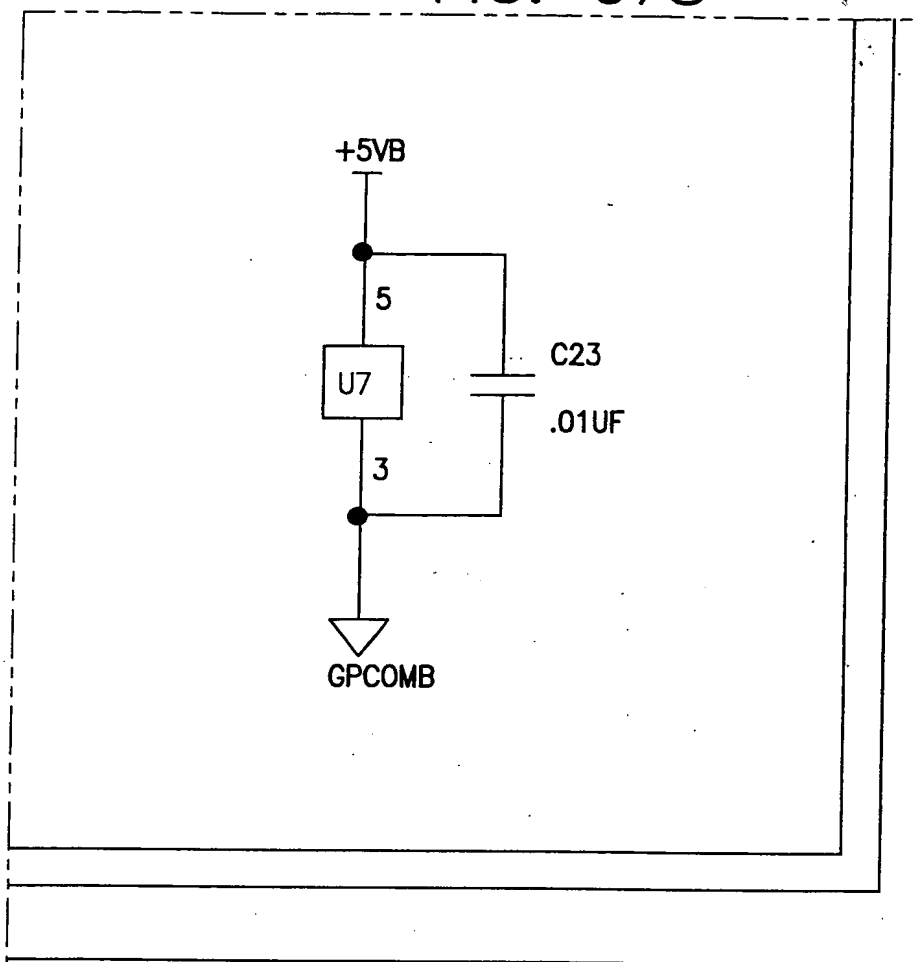
[illegible]

FIG. 67T

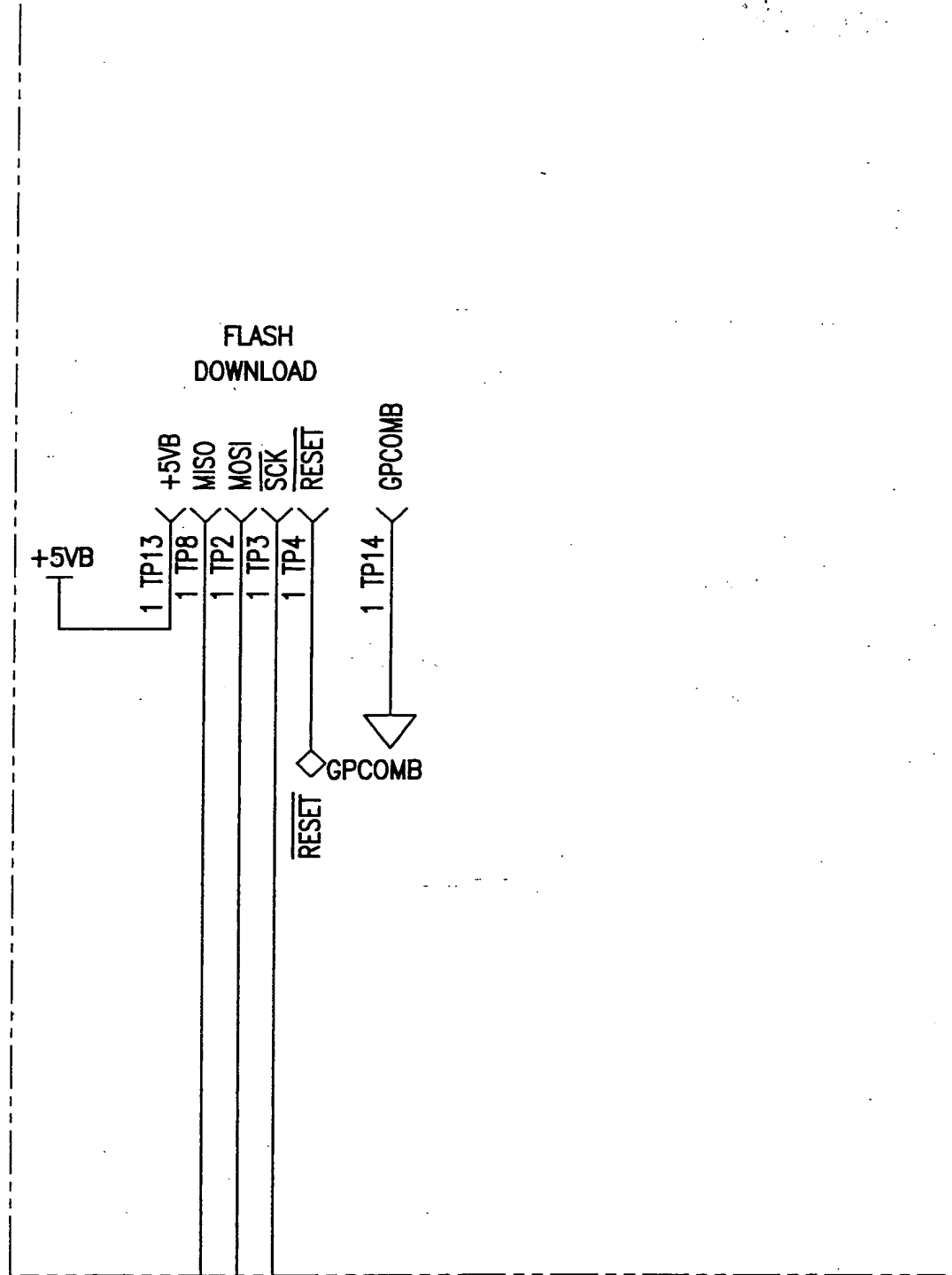
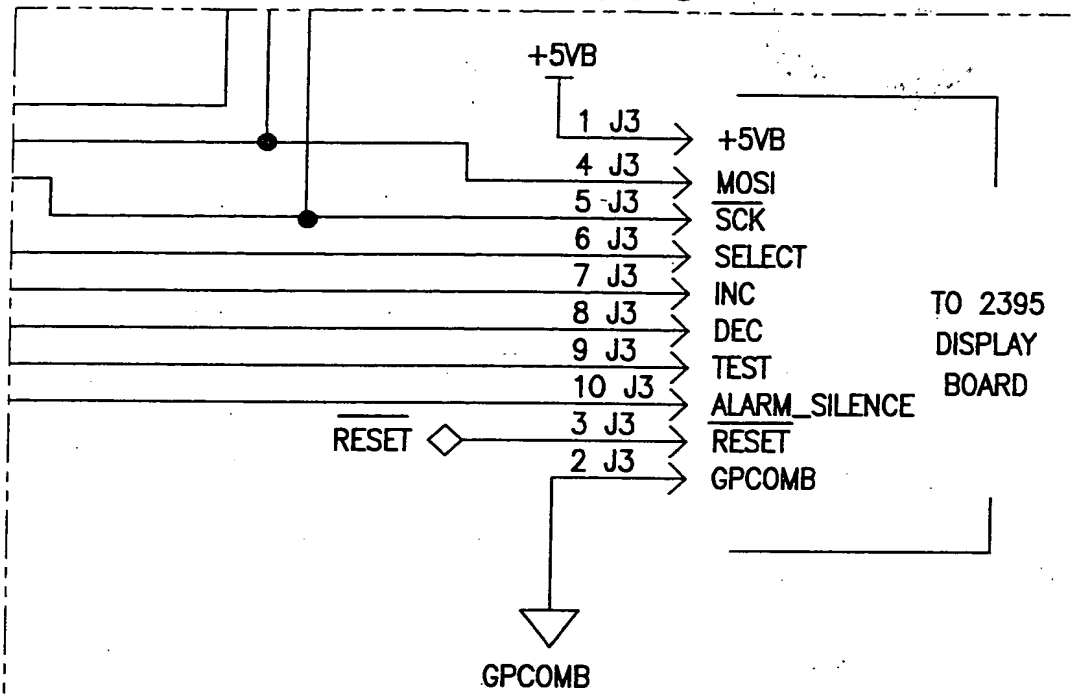


FIG. 67U



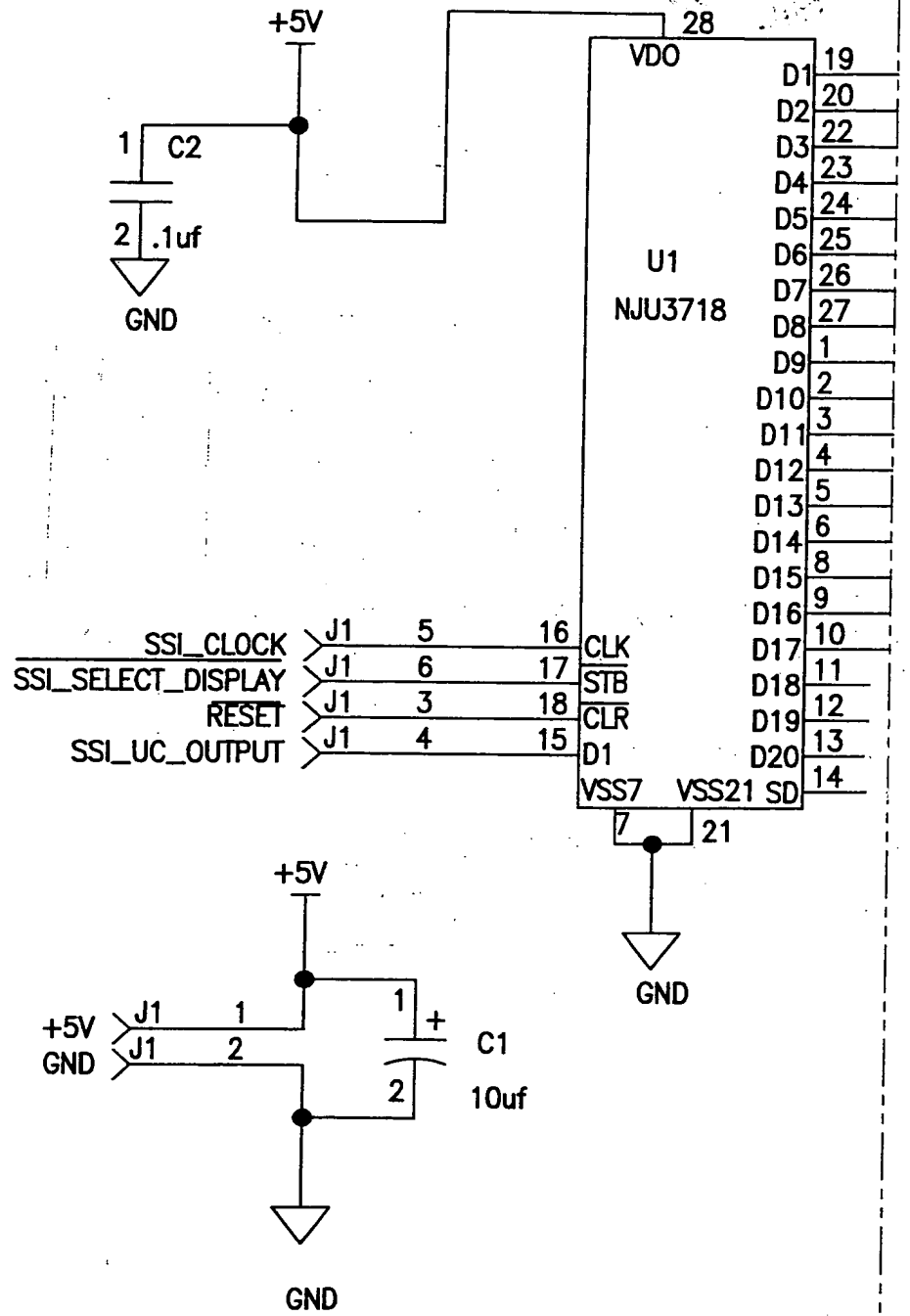
205270-2052600

FIG. 68

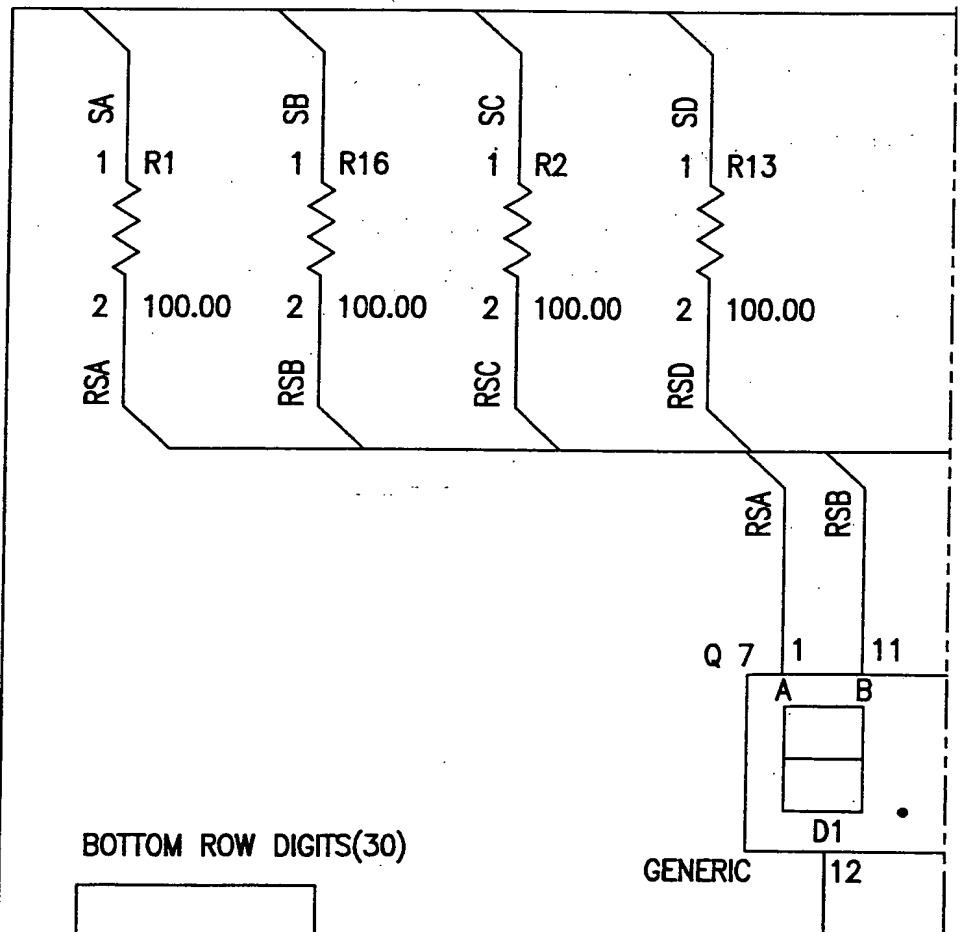
	FIG. 68B	FIG. 68D	FIG. 68F	FIG. 68H	
FIG. 68A	FIG. 68C	FIG. 68E	FIG. 68G	FIG. 68I	FIG. 68J

2025-03-20 14:00

FIG. 68 A



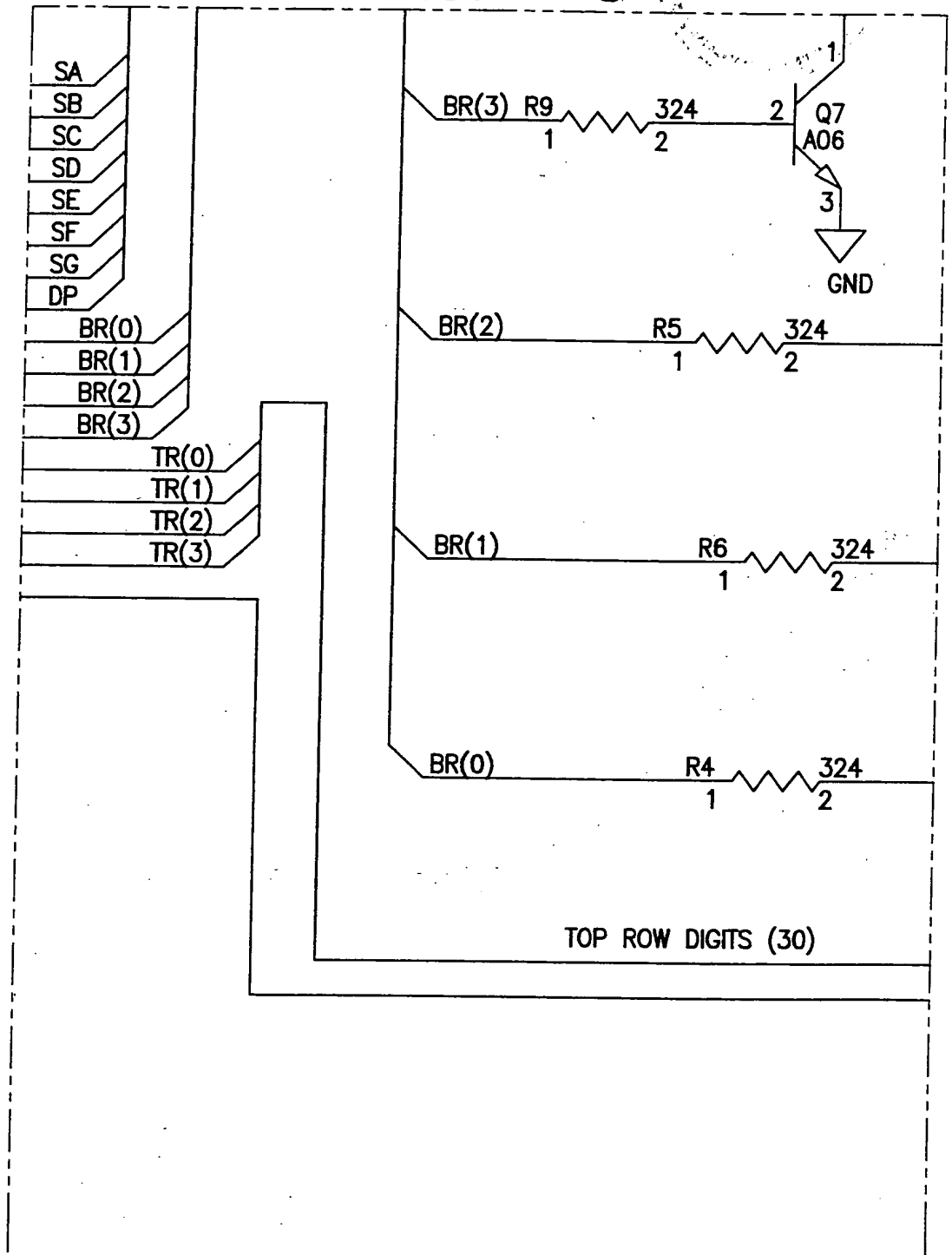
202510-20522600





00023502 012802

FIG. 68 C



203270-20322600

FIG. 68 D

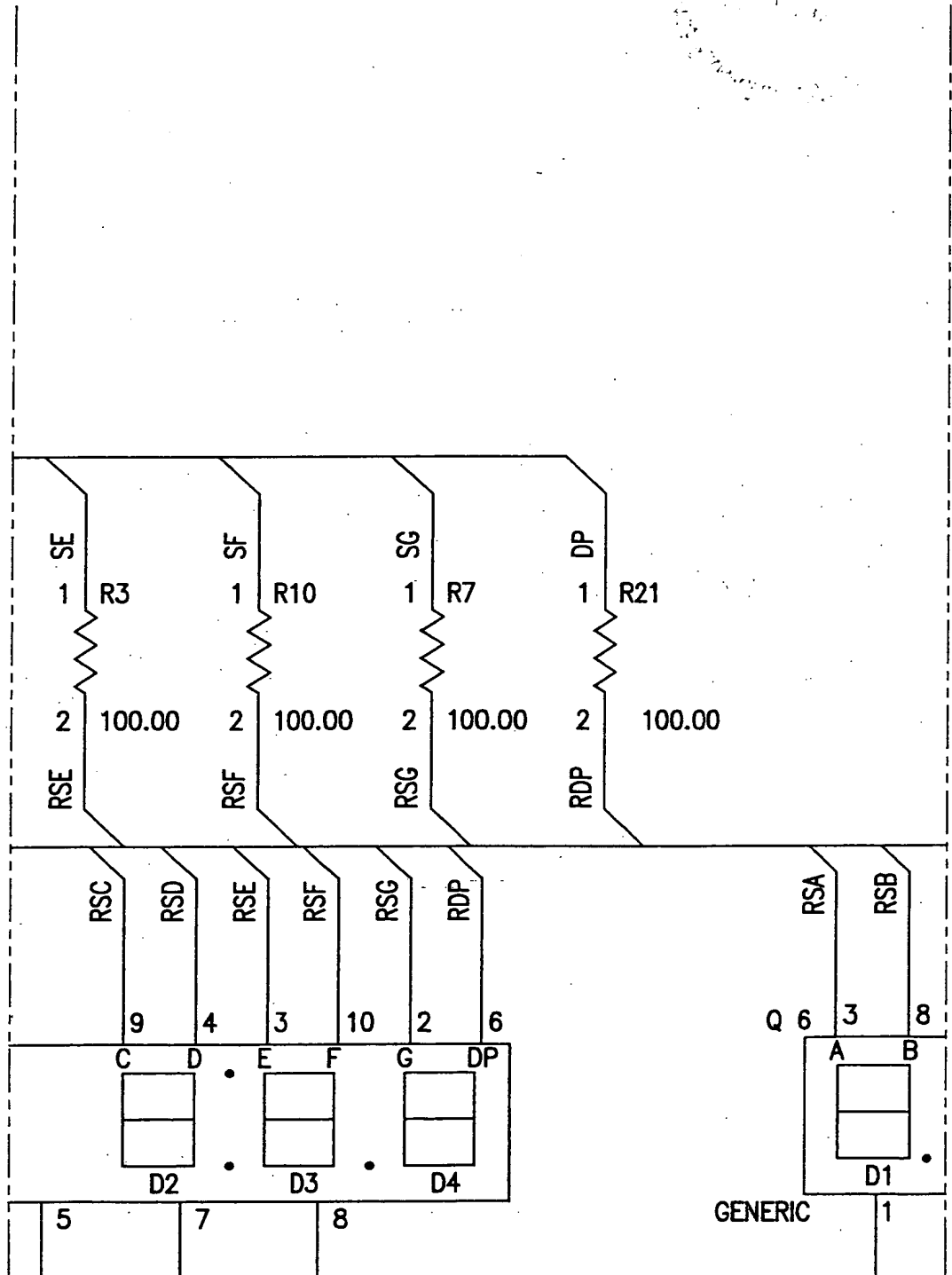
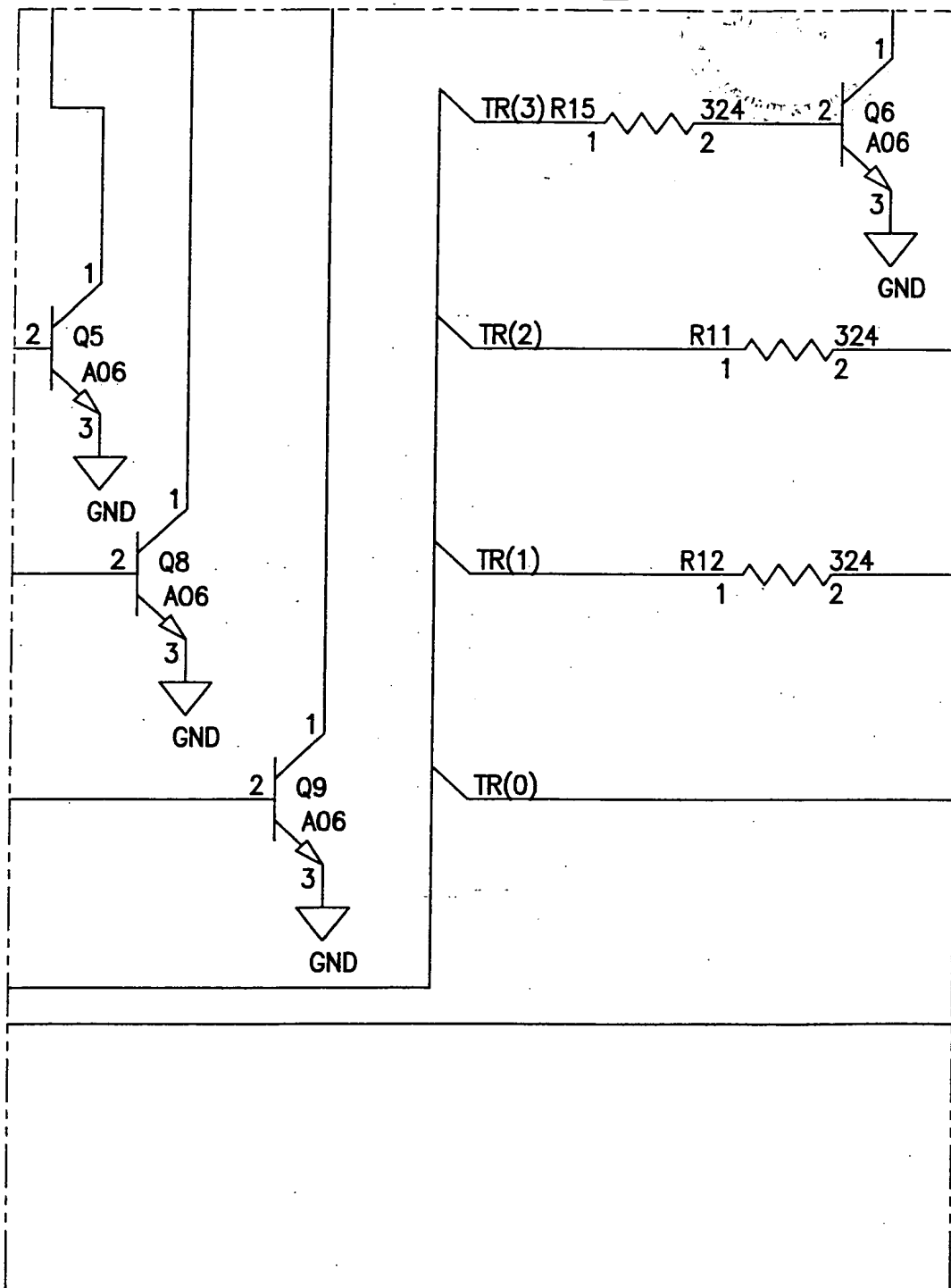
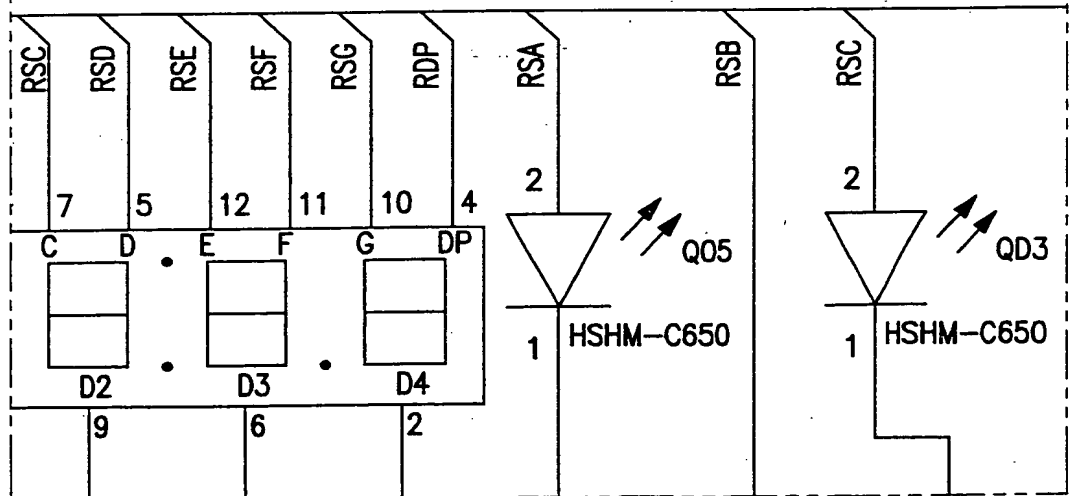


FIG. 68 E



2025-03-20 10:00:00

FIG. 68 F



203270-2032200

FIG. 68 G

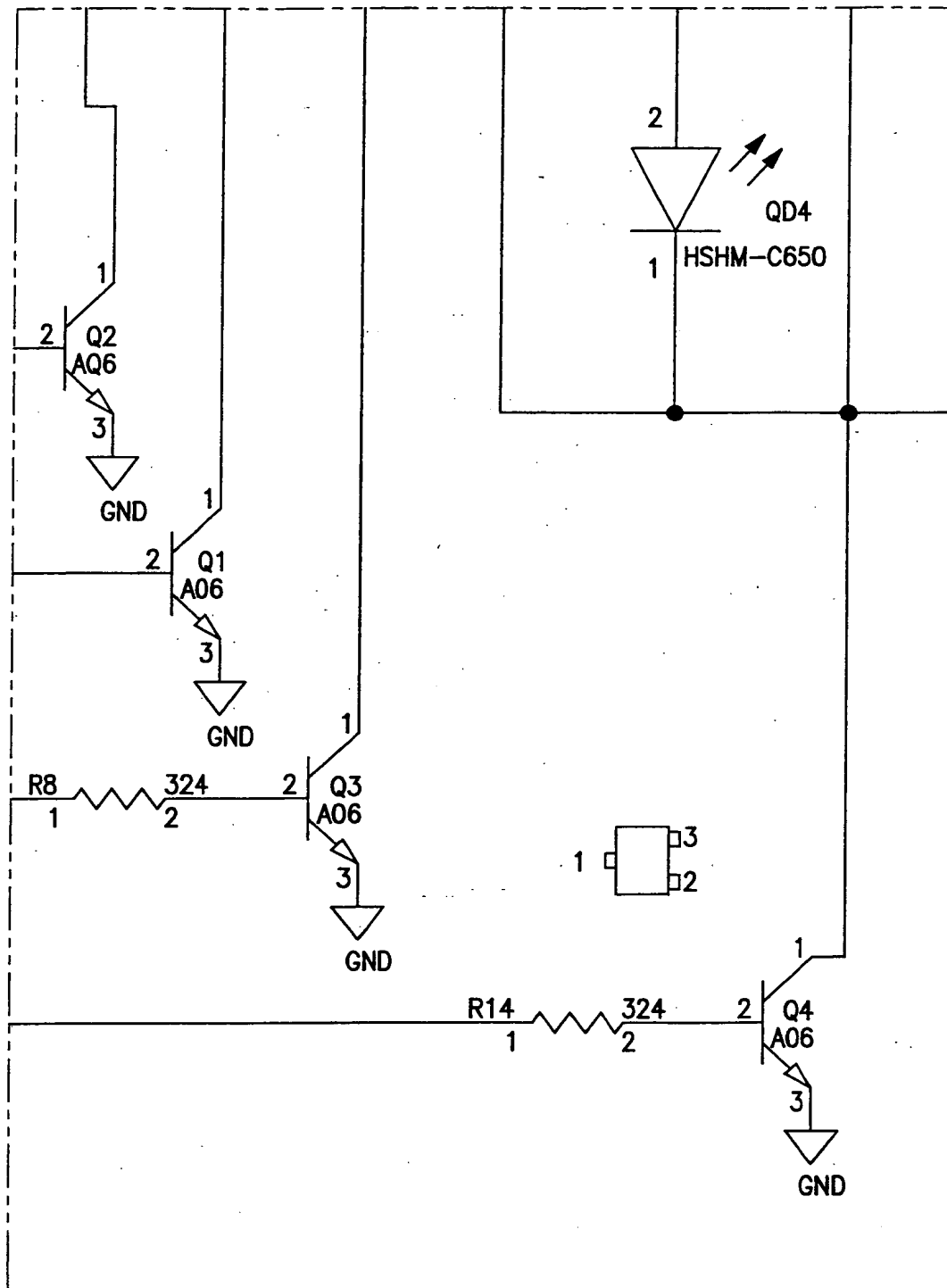
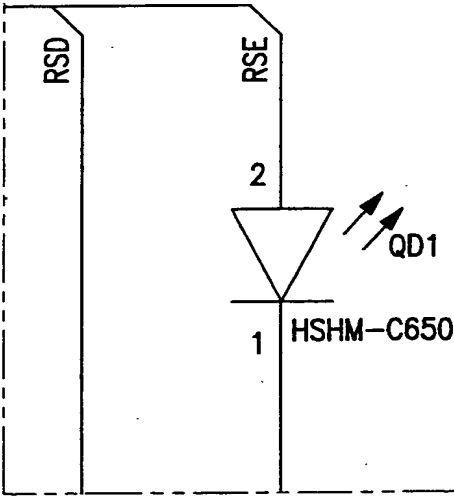
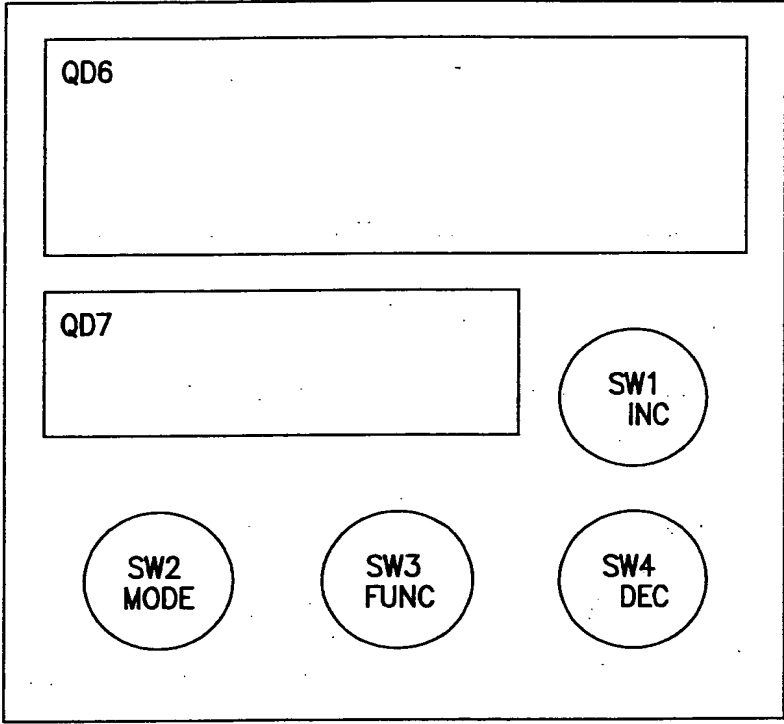


FIG. 68 H



202270-2032200

205270-2052600

FIG. 681

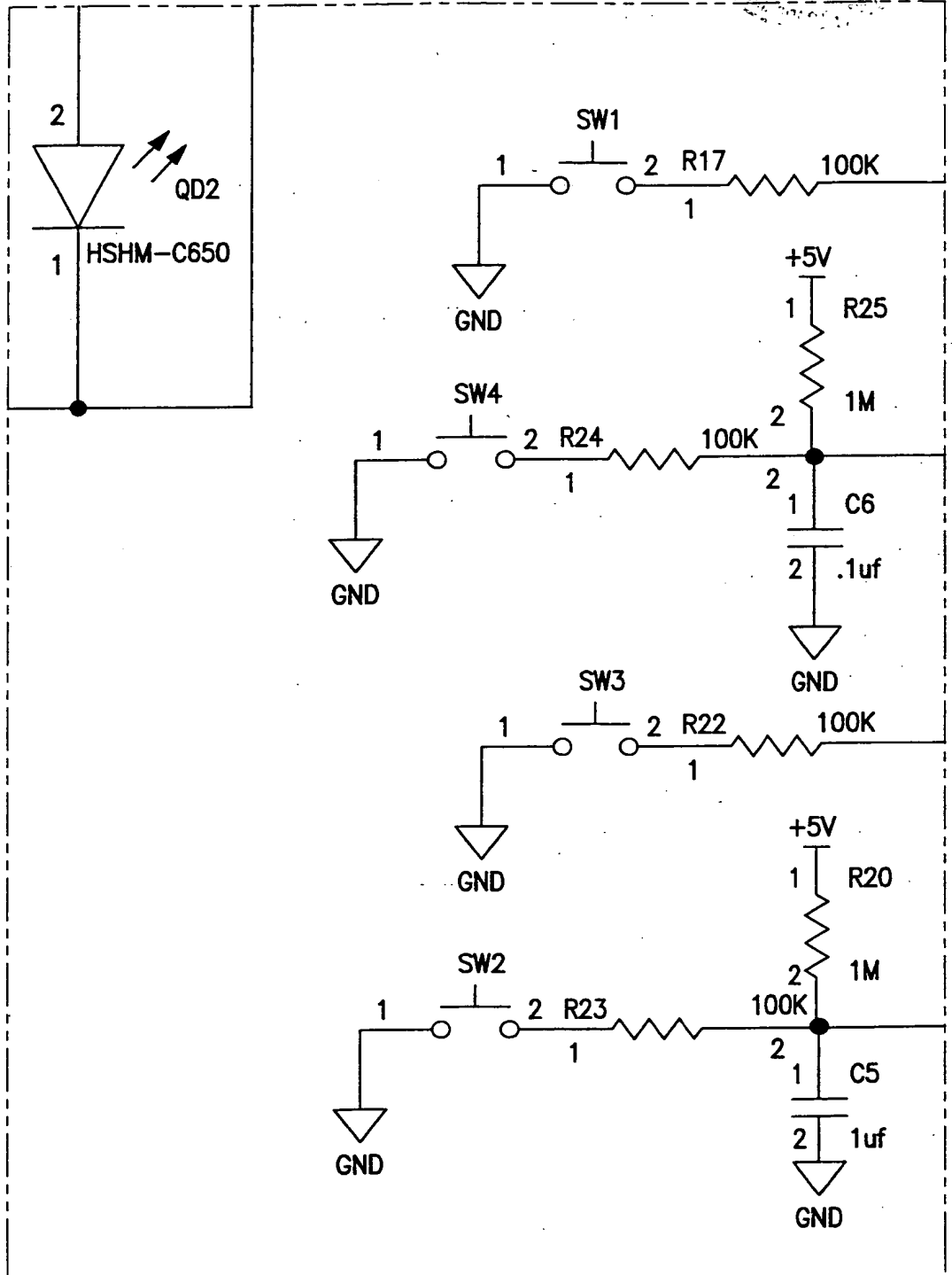
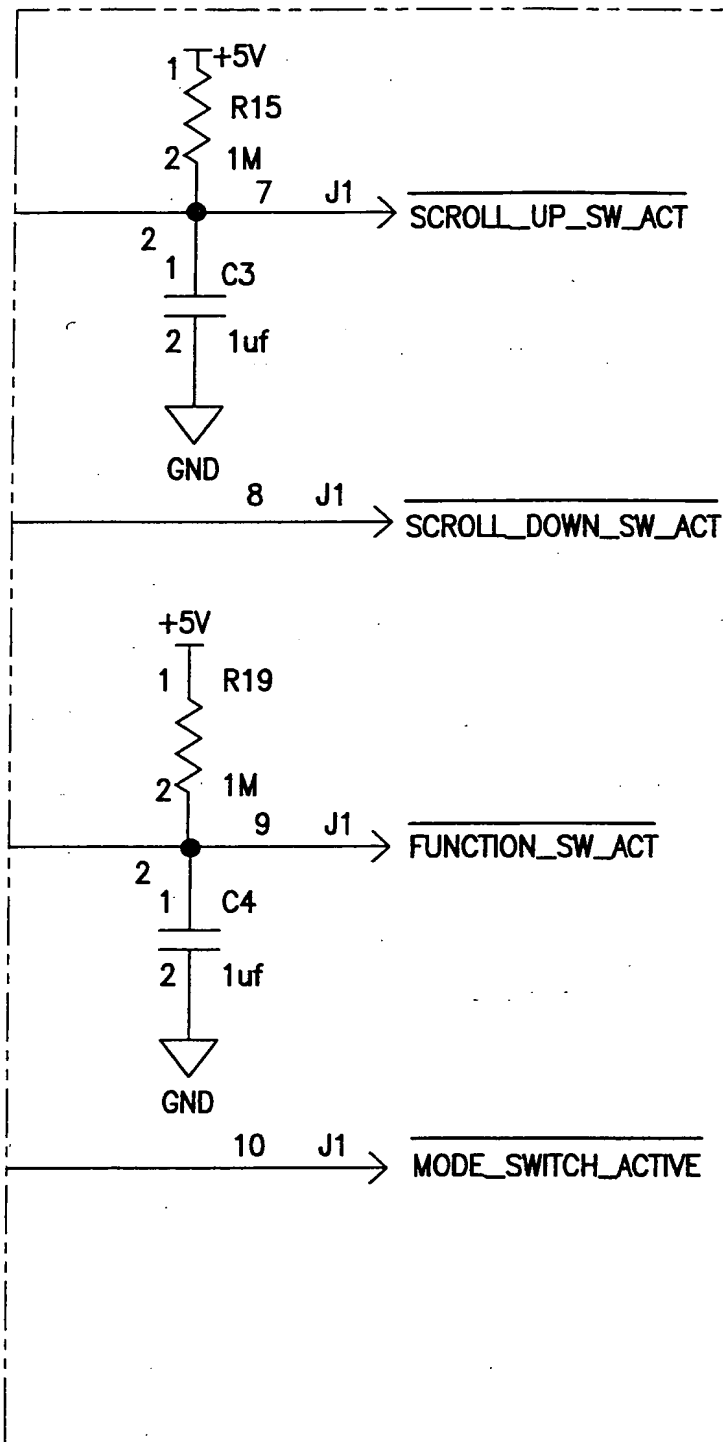


FIG. 68J



200310-20922000



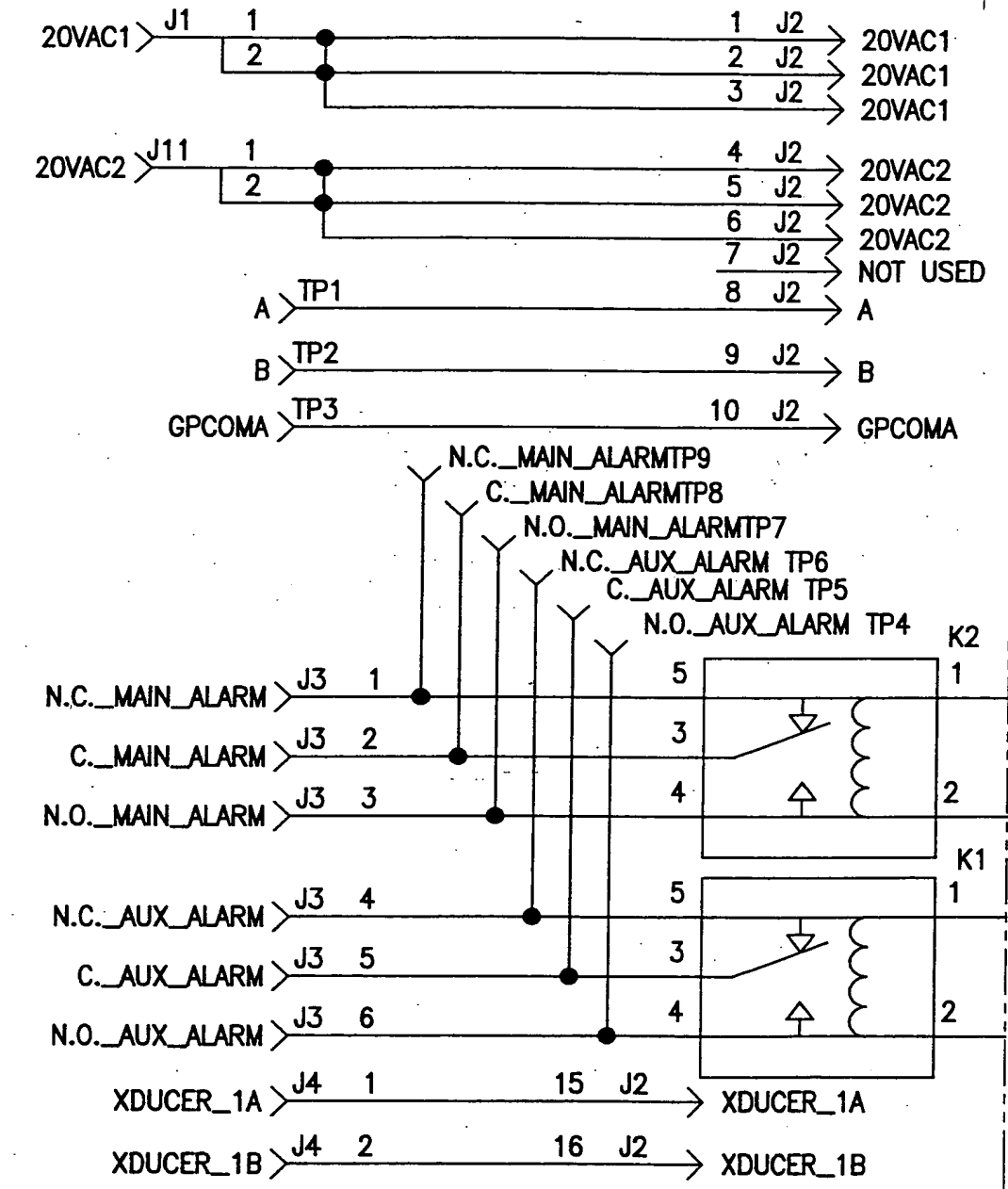
FIG. 69



FIG. 69A	FIG. 69C
FIG. 69B	

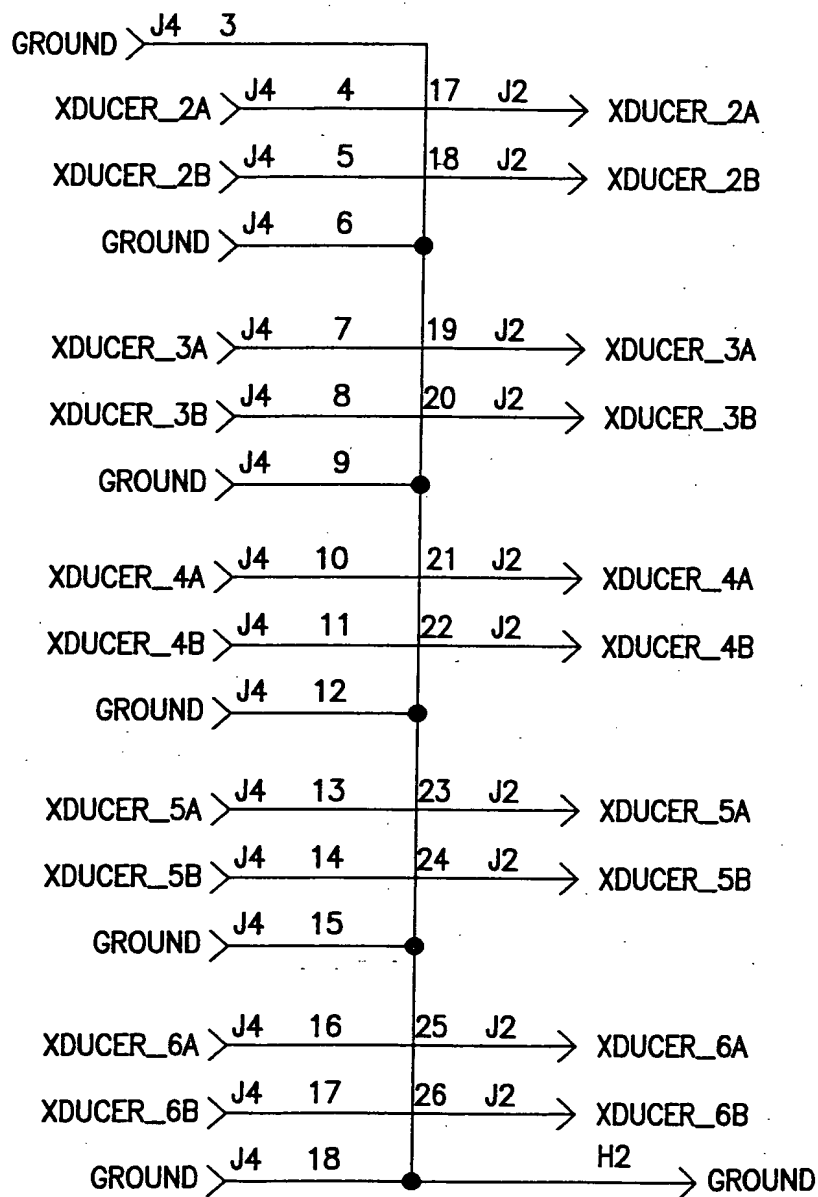
2025-05-20 10:00:00

FIG. 69A



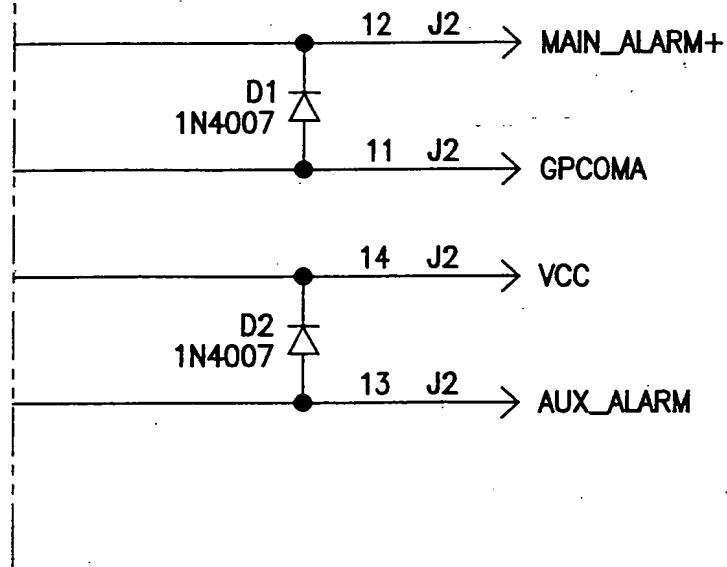
00000000-010000

FIG. 69B



2025-01-20 10:00:00

FIG. 69C



20250707 20522660